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**STATISTICAL
REFERENCE
OF
LANDS AND FORESTS
ADMINISTRATION**

1959



DEPARTMENT OF LANDS AND FORESTS

HON. J. W. SPOONER
Minister

F. A. MACDOUGALL
Deputy Minister



FOREWORD

This booklet contains a statistical record of the Ontario Department of Lands and Forests and has been prepared for the convenience of the public.

The Department would appreciate notice of any errors.

NOTE

Owing to delays incidental to the accumulation of data annually in some parts of the administration the information herein quoted from the annual reports is for a preceding period.

Forest Protection and commercial fishing figures are by force of circumstance for the preceding calendar year.

The year columns denote the annual report in which the figures appeared.

THE UNITED STATES

THE UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

LAND USE PLAN
FOR THE
MOUNTAIN VIEW

THE UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

LAND USE PLAN
FOR THE
MOUNTAIN VIEW

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Premiers of Ontario Since Confederation

| | From | To |
|---------------------------------------|---------------|----------------|
| Hon. John Sandfield Macdonald..... | July 16, 1867 | Dec. 19, 1871 |
| Hon. E. Blake..... | Dec. 20, 1871 | Oct. 25, 1872 |
| Hon. Sir Oliver Mowat.. | Oct. 25, 1872 | July 9, 1896 |
| Hon. A. S. Hardy..... | July 25, 1896 | Oct. 17, 1899 |
| Hon. George W. Ross... | Oct. 21, 1899 | Feb. 7, 1905 |
| Hon. Sir J. P. Whitney.. | Feb. 8, 1905 | Sept. 25, 1914 |
| Hon. Sir Wm. Howard Hearst..... | Oct. 2, 1914 | Nov. 14, 1919 |
| Hon. Ernest Chas. Drury | Nov. 14, 1919 | July 16, 1923 |
| Hon. G. H. Ferguson.... | July 16, 1923 | Dec. 15, 1930 |
| Hon. G. S. Henry..... | Dec. 15, 1930 | July 10, 1934 |
| Hon. Mitchell F. Hepburn | July 10, 1934 | Aug. 21, 1942 |
| Hon. G. D. Conant..... | Oct. 21, 1942 | May 18, 1943 |
| Hon. H. C. Nixon..... | May 18, 1943 | Aug. 17, 1943 |
| Hon. George A. Drew... | Aug. 17, 1943 | Oct. 19, 1948 |
| Hon. Thomas L. Kennedy | Oct. 19, 1948 | May 4, 1949 |
| Hon. Leslie M. Frost.... | May 4, 1949 | ..... |

Commissioners and Ministers During the Period 1827-28 to 1958

| | | |
|---------------------------|---------------|----------------|
| Hon. Peter Robinson.... | July 17, 1827 | July 14, 1836 |
| Hon. R. B. Sullivan..... | July 14, 1836 | June 30, 1841 |
| Hon. John Davidson.... | July 23, 1841 | Oct. 12, 1842 |
| Hon. A. N. Morin..... | Oct. 13, 1842 | Dec. 11, 1843 |
| Hon. D. B. Papineau.... | Sept. 3, 1844 | Dec. 7, 1847 |
| Sir John A. MacDonald.. | Dec. 8, 1847 | Mar. 10, 1848 |
| Hon. J. H. Price..... | Mar. 11, 1848 | Oct. 27, 1851 |
| Hon. John Rolph..... | Oct. 28, 1851 | Aug. 17, 1853 |
| Hon. Louis V. Sicotte.... | Aug. 17, 1853 | Aug. 26, 1853 |
| Hon. A. N. Morin..... | Aug. 31, 1853 | Jan. 26, 1855 |
| Hon. Jos. Cauchon..... | Jan. 27, 1855 | April 30, 1857 |
| Sir E. P. Tache..... | June 16, 1857 | Nov. 24, 1857 |
| Hon. Louis V. Sicotte.... | Nov. 25, 1857 | Aug. 1, 1858 |
| Sir. A. A. Dorion..... | Aug. 2, 1858 | Aug. 6, 1858 |
| Hon. P. M. Vankoughnet | Aug. 7, 1858 | Mar. 18, 1862 |
| Hon. George Sherwood.. | Mar. 27, 1862 | May 23, 1862 |
| Hon. Wm. McDougall... | May 24, 1862 | Mar. 29, 1864 |
| Sir Alex. Campbell..... | Mar. 30, 1864 | June 30, 1867 |
| Hon. Stephen Richards.. | July 1, 1867 | July 25, 1871 |
| Sir Matthew C. Cameron. | July 25, 1871 | Dec. 21, 1871 |
| Sir Richard W. Scott.... | Dec. 21, 1871 | Nov. 30, 1873 |
| Hon. Timothy B. Pardee.. | Dec. 4, 1873 | Jan. 19, 1889 |
| Hon. Arthur S. Hardy.... | Jan. 19, 1889 | July 21, 1896 |
| Sir John M. Gibson..... | July 21, 1896 | Oct. 21, 1899 |
| Hon. E. J. Davis..... | Oct. 21, 1899 | Nov. 22, 1904 |
| Hon. A. G. McKay..... | Nov. 22, 1904 | Feb. 8, 1905 |
| Hon. J. J. Foy..... | Feb. 8, 1905 | May 13, 1905 |
| Hon. F. Cochrane..... | May 13, 1905 | Oct. 11, 1911 |
| Sir William Hearst..... | Oct. 12, 1911 | Dec. 22, 1914 |
| Hon. G. H. Ferguson.... | Dec. 22, 1914 | Nov. 13, 1919 |
| Hon. B. Bowman..... | Nov. 14, 1919 | July 11, 1923 |
| Hon. Jas. Lyons..... | July 16, 1923 | Feb. 28, 1926 |
| Hon. G. H. Ferguson.... | Feb. 28, 1926 | Oct. 18, 1926 |
| Hon. Wm. Finlayson.... | Oct. 18, 1926 | July 10, 1934 |
| Hon. Peter Heenan..... | July 10, 1934 | May 27, 1941 |
| Hon. N. O. Hipel..... | May 27, 1941 | Aug. 17, 1943 |
| Hon. W. G. Thompson.. | Aug. 17, 1943 | Nov. 28, 1946 |
| Hon. H. R. Scott..... | Nov. 28, 1946 | June 3, 1952 |
| Hon. W. S. Gemmell.... | June 3, 1952 | July 7, 1954 |
| Hon. C. E. Mapledoram.. | July 7, 1954 | July 4, 1958 |
| Hon. J. W. Spooner..... | July 23, 1958 | ..... |

Deputy Ministers Since Confederation

| | |
|-----------|-------------------|
| 1867..... | ANDREW RUSSELL |
| 1868..... | ANDREW RUSSELL |
| 1869..... | THOMAS H. JOHNSON |
| 1887..... | AUBREY WHITE |
| 1915..... | ALBERT GRIGG |
| 1921..... | WALTER CAIN |
| 1941..... | FRANK MACDOUGALL |

AUBREY WHITE was first appointed to the staff as Crown Lands Agent for part of Aluskoka, on April 30, 1878, at \$500 per annum. He was a practical man who knew the bush and the country, and he was appointed Clerk in the Woods and Forest Branch, January 1, 1882, at \$1,700 per annum. Mr. Johnson died in January, 1887, and Mr. White was appointed in his stead. Mr. White's recommendations led to the first forest fire protection organization in 1885.

ALBERT GRIGG was a former Member of the Legislative Assembly from Bruce Mines, who resigned in 1921. He was an ardent dry and has been perennial mayor of Bruce Mines for many years. Pioneer stock.

WALTER CAIN was appointed Clerk in the Lands Branch by the Hon. Elihu J. Davis. He taught school, worked in saw mills and took his B.A. at Varsity while employed. After Mr. Grigg resigned, Mr. Cain was appointed acting Deputy and later confirmed in the position. He was in his day one of the Canadian Greats on the lacrosse field. Superannuated in 1941, he died in 1954.

FRANK MACDOUGALL started at the bottom. After excellent service in the Canadian Army during the 1914-1918 war he served on the temporary staff, took his degree as a Forest Engineer at Varsity, was appointed to the permanent staff, May 15, 1923, became District Forester at Sault Ste. Marie, Superintendent of Algonquin Park, obtained pilot's license, undertook special investigations, and was appointed Deputy Minister in 1941. He headed the reorganization activities of the succeeding years.

DIVISION OF ACCOUNTS

A service division in the Department, formerly known as the Accounts Branch. This Division is charged with the fundamental responsibility of accounting for the entire department, the collection of all revenue and the payment of all expenditures. Re-organized in 1942 under the direction of Mr. J. G. McMillen, accounting methods and procedures were modernized and mechanized to provide complete internal control of the department's revenue and expenditure. The Division is also responsible for the administration of The Provincial Land Tax Act and with the inclusion of the former Department of Game and Fisheries in 1946, the issuing of Fish and Wildlife licences.

The following tables will give an indication of the tremendous growth of the department over the past quarter century and the resultant increase in the accounting requirements.

DEPARTMENT OF LANDS AND FORESTS

Revenue and Expenditures in 28 Years Ending 31st March, 1958

| | REVENUE | | EXPENDITURE | |
|-----------------|----------------|---------------|-----------------|----------------|
| | ORDINARY | CAPITAL | ORDINARY | CAPITAL |
| 1931 | \$3,949,892.39 | \$ 157,492.06 | \$ 2,756,123.46 | \$1,225,265.79 |
| 1932 | 2,932,706.88 | 115,333.63 | 2,397,171.42 | 639,796.66 |
| 1933 | 2,128,974.35 | 52,077.96 | 1,974,028.61 | 400,817.37 |
| 1934 | 2,327,784.94 | 54,752.73 | 2,297,076.46 | 388,422.87 |
| 1935 (5 months) | 860,909.93 | 34,906.89 | 632,683.96 | 97,656.24 |
| 1936 | 3,476,648.75 | 88,939.50 | 1,737,940.93 | 306,569.88 |
| 1937 | 3,757,125.17 | 60,922.65 | 2,336,151.40 | 443,491.73 |
| 1938 | 4,692,016.08 | 54,921.78 | 2,233,253.64 | 363,507.42 |
| 1939 | 5,557,901.17 | 61,152.15 | 2,790,491.27 | 407,079.83 |
| 1940 | 4,629,579.91 | 76,545.53 | 2,698,570.83 | 397,331.81 |
| 1941 | 6,077,439.09 | 59,912.04 | 2,637,270.83 | 330,059.75 |
| 1942 | 6,287,161.43 | 37,339.68 | 2,910,615.37 | 320,502.77 |
| 1943 | 6,964,338.05 | 69,275.28 | 4,072,688.46 | 3,029.42 |
| 1944 | 6,567,183.32 | 130,524.24 | 3,610,850.90 | 4,574.92 |
| 1945 | 6,436,259.97 | 155,219.01 | 4,210,648.47 | 341.95 |
| 1946 | 8,321,551.84 | 193,061.14 | 4,839,821.50 | 8,234.30 |
| 1947 | 10,366,281.93 | 261,865.96 | 7,043,267.18 | 116,523.23 |
| 1948 | 10,456,251.70 | 215,151.77 | 7,598,611.94 | ..... |
| 1949 | 11,410,352.16 | 215,884.90 | 11,400,801.97 | ..... |
| 1950 | 10,921,652.37 | 677,603.32 | 9,913,520.62 | 4,623,339.12 |
| 1951 | 10,962,465.72 | 5,351,437.91 | 9,840,796.17 | 3,326,822.18 |
| 1952 | 14,602,165.18 | 3,222,682.07 | 10,681,717.01 | 2,196,671.93 |
| 1953 | 20,621,374.56 | 2,513,325.57 | 11,486,280.94 | 1,654,781.54 |
| 1954 | 18,156,762.00 | 1,810,672.96 | 12,608,258.47 | 800,000.00 |
| 1955 | 19,146,974.96 | 178,810.09 | 12,716,508.33 | 178,810.09 |
| 1956 | 19,823,049.47 | 328,056.86 | 17,148,523.65 | 128,297.23 |
| 1957 | 20,881,873.91 | 367,501.40 | 16,037,678.39 | 187,935.36 |
| 1958 | 22,189,712.48 | 490,717.96 | 18,733,582.62 | 280,550.13 |

Revenue and Expenditures for years 1931-1947, inclusive, from former Department of Game and Fisheries.

CROWN LAND SALES AND LEASES, LAND TAX AND WATER POWER LEASES

Analysis of Cash Receipts in 28 Years Ending 31st March, 1958

| | Crown Land Leases and Licenses of Occupation | Water Power Leases | Crown Land Sales | Provincial Land Tax |
|---------------|---|--------------------------|------------------------|---------------------------|
| 1931..... | 264,957.40 | * | 167,410.72 | 131,851.20 |
| 1932..... | 275,230.38 | * | 140,016.47 | 119,728.08 |
| 1933..... | 352,814.60 | * | 69,437.28 | 119,135.06 |
| 1934..... | 352,549.54 | * | 72,825.37 | 131,447.74 |
| 1935 (5 mon.) | 107,202.87 | * | 28,471.94 | 107,301.57 |
| 1936..... | 440,489.75 | * | 65,128.21 | 131,928.13 |
| 1937..... | 48,254.57 | 377,412.80 | 80,380.93 | 178,621.85 |
| 1938..... | 51,072.60 | 427,874.00 | 70,248.55 | 234,761.42 |
| 1939..... | 60,053.31 | 406,019.17 | 75,212.06 | 129,178.01 |
| 1940..... | 65,845.86 | 402,529.44 | 94,947.38 | 133,935.87 |
| 1941..... | 67,200.44 | 571,351.76 | 53,820.61 | 169,608.77 |
| 1942..... | 68,435.03 | 628,691.25 | 41,960.84 | 146,801.88 |
| 1943..... | 61,910.54 | 648,484.87 | 69,162.08 | 146,013.91 |
| 1944..... | 99,265.07 | 618,901.26 | 118,745.26 | 158,744.95 |
| 1945..... | 84,215.20 | 609,425.12 | 155,219.01 | 175,341.55 |
| 1946..... | 87,285.38 | 654,978.77 | 193,061.14 | 209,459.44 |
| 1947..... | 95,445.89 | 680,568.56 | 261,865.96 | 204,474.57 |
| 1948..... | 104,918.41 | 694,859.07 | 215,151.77 | 185,470.29 |
| 1949..... | 113,554.42 | 759,569.67 | 215,884.90 | 217,520.66 |
| 1950..... | 112,061.86 | 811,663.96 | 217,642.25 | 242,292.14 |
| 1951..... | 120,468.42 | 827,937.46 | 188,444.32 | 322,660.63 |
| 1952..... | 119,562.29 | 1,101,125.17 | 186,225.03 | 367,695.92 |
| 1953..... | 140,248.29 | 1,293,570.18 | 197,367.94 | 393,236.04 |
| 1954..... | 165,642.85 | 1,672,735.49 | 184,427.52 | 562,722.77 |
| 1955..... | 178,749.02 | 1,539,686.19 | 212,985.32 | 644,960.82 |
| 1956..... | 199,833.92 | 1,530,748.10 | 295,056.86 | 687,296.11 |
| 1957..... | 235,570.84 | 1,553,862.70 | 309,313.63 | 776,789.46 |
| 1958..... | 264,851.96 | 1,626,974.92 | 358,426.76 | 810,465.62 |

*Included in receipts from Crown Land Leases and Licenses of Occupation.

DIVISION OF FISH AND WILDLIFE

Analysis of Cash Receipts in 28 Years ending 31st March, 1958

| | Angling Licenses | Commercial Fishing Licenses and Royalty | Gun Licenses | Non-Res. Hunting Licenses | Deer Licenses |
|---------------|---------------------|--|-----------------|---------------------------------|------------------|
| 1931 | 186,448.65 | 115,552.53 | 51,237.75 | 62,300.00 | 75,016.50 |
| 1932 | 136,077.35 | 100,996.21 | 46,764.00 | 46,420.00 | 64,961.10 |
| 1933 | 121,981.18 | 100,740.85 | 75,760.80 | 35,080.00 | 50,257.50 |
| 1934 | 128,472.22 | 100,988.68 | 59,214.25 | 25,799.55 | 47,263.70 |
| 1935 (5 Mos.) | 7,338.85 | 50,345.57 | 39,564.72 | 30,315.45 | 48,684.40 |
| 1936 | 200,641.65 | 96,981.60 | 69,635.93 | 53,080.00 | 56,544.05 |
| 1937 | 272,690.50 | 111,450.44 | 71,526.01 | 73,937.50 | 59,351.25 |
| 1938 | 331,430.45 | 114,258.61 | 77,780.81 | 92,370.00 | 72,320.10 |
| 1939 | 339,450.05 | 102,087.87 | 95,788.45 | 80,415.00 | 83,526.55 |
| 1940 | 391,504.00 | 98,998.09 | 94,882.18 | 84,590.00 | 81,882.00 |
| 1941 | 384,675.00 | 97,980.22 | 86,527.85 | 84,265.00 | 77,469.40 |
| 1942 | 476,519.95 | 98,110.03 | 97,768.84 | 124,365.00 | 94,923.90 |
| 1943 | 306,263.85 | 84,507.32 | 102,244.96 | 93,245.00 | 118,083.55 |
| 1944 | 288,685.00 | 103,143.45 | 75,152.65 | 89,450.00 | 115,395.90 |
| 1945 | 412,073.30 | 99,818.61 | 79,389.64 | 115,590.00 | 117,004.70 |
| 1946 | 605,320.60 | 103,104.97 | 110,252.51 | 218,855.00 | 166,635.20 |
| 1947 | 1,000,866.37 | 109,472.85 | 132,906.53 | 361,887.20 | 196,548.80 |
| 1948 | 1,156,904.16 | 110,704.94 | 146,601.42 | 453,789.53 | 205,826.80 |
| 1949 | 1,350,500.93 | 116,597.30 | 160,378.15 | 468,705.05 | 237,707.05 |
| 1950 | 1,450,180.46 | 115,344.46 | 178,016.26 | 364,921.85 | 242,208.18 |
| 1951 | 1,637,775.06 | 121,688.19 | 183,669.56 | 401,490.40 | 264,880.50 |
| 1952 | 1,868,745.89 | 135,254.98 | 205,882.29 | 340,254.90 | 293,944.96 |
| 1953 | 1,949,891.58 | 140,050.77 | 230,147.23 | 156,913.31 | 348,664.53 |
| 1954 | 2,086,074.01 | 112,853.57 | 218,887.59 | 447,365.61 | 355,910.72 |
| 1955 | 2,204,667.51 | 116,794.69 | 234,296.34 | 453,643.44 | 364,081.94 |
| 1956 | 2,279,335.59 | 106,779.72 | 250,758.18 | 513,088.28 | 405,200.92 |
| 1957 | 2,294,761.04 | 117,265.92 | 244,431.38 | 545,979.18 | 400,272.03 |
| 1958 | 2,431,976.75 | 105,666.72 | 267,922.15 | 563,004.32 | 415,920.32 |

Revenue for Years 1931-1947 inclusive, from Department of Game and Fisheries.

DIVISION OF FISH AND WILDLIFE

Analysis of Cash Receipts in 28 Years ending 31st March, 1958

| | Moose Licenses | Trapping Licenses & Royalty | Fur Dealers, Fur Farmers, Tanners & Cold Storage Licenses | Tourist Outfitters Licenses | Other | Total |
|---------------|-------------------|-----------------------------------|--|-----------------------------------|------------|--------------|
| 1931 | 7,953.00 | 131,370.45 | 39,412.00 | ..... | 46,171.95 | 715,462.83 |
| 1932 | 6,242.50 | 130,574.08 | 37,758.00 | ..... | 37,991.46 | 613,784.70 |
| 1933 | 5,219.50 | 117,053.57 | 38,078.10 | ..... | 27,485.85 | 571,657.35 |
| 1934 | 3,162.50 | 121,685.90 | 36,785.50 | ..... | 21,366.17 | 544,738.47 |
| 1935 (5 Mos.) | 2,194.50 | 48,378.05 | 20,341.00 | ..... | 11,185.50 | 258,348.04 |
| 1936 | 2,728.00 | 139,199.55 | 34,405.00 | ..... | 30,722.94 | 683,938.72 |
| 1937 | 2,981.00 | 109,201.95 | 37,395.50 | 4,950.00 | 41,982.24 | 785,466.39 |
| 1938 | 3,179.00 | 92,800.30 | 36,473.25 | 5,790.00 | 42,078.37 | 868,480.89 |
| 1939 | 2,574.00 | 100,330.05 | 31,904.75 | 6,855.00 | 71,543.52 | 914,475.24 |
| 1940 | 2,733.50 | 156,292.70 | 35,297.50 | 7,445.00 | 61,725.85 | 1,015,350.82 |
| 1941 | 2,948.00 | 137,394.68 | 36,298.50 | 7,345.00 | 69,897.04 | 984,800.69 |
| 1942 | 3,278.00 | 175,815.10 | 36,117.00 | 7,840.00 | 68,531.47 | 1,183,269.29 |
| 1943 | 4,372.50 | 161,634.60 | 32,877.00 | 6,565.00 | 52,557.11 | 962,350.89 |
| 1944 | 4,697.00 | 195,286.20 | 36,853.00 | 5,990.00 | 60,419.40 | 975,072.60 |
| 1945 | 4,812.50 | 247,562.30 | 37,263.00 | 6,510.00 | 73,009.67 | 1,193,033.72 |
| 1946 | 7,051.00 | 277,768.10 | 44,509.00 | 8,435.00 | 109,234.28 | 1,651,165.66 |
| 1947 | 9,316.45 | 274,138.90 | 43,162.00 | 7,290.00 | 112,611.55 | 2,248,200.65 |
| 1948 | 11,878.25 | 206,514.45 | 41,251.00 | 10,872.25 | 87,190.62 | 2,431,533.42 |
| 1949 | 16,787.39 | 328,171.15 | 38,911.00 | 13,897.50 | 96,118.41 | 2,827,773.93 |
| 1950 | 352.21 | 293,426.32 | 34,449.15 | 16,192.76 | 95,619.17 | 2,790,710.82 |
| 1951 | ..... | 321,697.57 | 32,606.03 | 16,339.87 | 101,944.22 | 3,082,091.40 |
| 1952 | ..... | 341,663.82 | 29,633.97 | 21,234.44 | 104,564.63 | 3,341,179.88 |
| 1953 | 33,487.00 | 398,604.16 | 27,098.00 | 18,120.83 | 106,937.77 | 3,409,915.18 |
| 1954 | 52,464.00 | 353,005.27 | 21,873.00 | 20,455.00 | 131,846.65 | 3,800,735.42 |
| 1955 | 73,460.00 | 343,220.21 | 22,783.10 | 17,401.94 | 158,906.45 | 3,989,255.62 |
| 1956 | 90,040.00 | 317,051.99 | 20,309.00 | 19,419.44 | 152,730.39 | 4,154,714.41 |
| 1957 | 134,210.00 | 272,951.95 | 17,425.00 | 20,470.56 | 158,060.16 | 4,205,827.22 |
| 1958 | 173,650.00 | 277,800.15 | 15,963.00 | 23,560.00 | 159,068.07 | 4,434,531.48 |

Revenue for Years 1931-1947 inclusive from Department of Game and Fisheries.

PROVINCIAL PARKS

Analysis of Cash Receipts in 28 Years Ending 31st March, 1958

| Year | Algonquin Rentals | Rondeau Rentals | Total Rentals | Vehicle Permits | Boat Permits | Campers' Permits | Hunting Fees | Non-Res. Guide Permits | Misc. | Total |
|--------------|-------------------|-----------------|---------------|-----------------|--------------|------------------|--------------|------------------------|-----------|------------|
| 1931 | 5,024.83 | 9,935.43 | 20,169.21 | ..... | ..... | ..... | ..... | ..... | 22,625.31 | 42,794.52 |
| 1932 | 4,348.89 | 9,739.99 | 19,393.00 | ..... | ..... | ..... | ..... | ..... | 15,286.35 | 34,679.35 |
| 1933 | 5,123.36 | 9,286.26 | 21,567.79 | ..... | ..... | ..... | ..... | ..... | 9,934.19 | 31,501.98 |
| 1934 | 5,289.81 | 9,057.73 | 23,366.61 | ..... | ..... | ..... | ..... | ..... | 16,504.65 | 39,871.26 |
| 1935 (5Mos.) | 2,912.33 | 1,423.43 | 6,955.31 | ..... | ..... | ..... | ..... | ..... | 5,565.23 | 12,520.54 |
| 1936 | 5,059.21 | 10,078.06 | 24,116.88 | ..... | ..... | ..... | ..... | ..... | 28,154.29 | 52,271.17 |
| 1937 | 6,920.20 | 9,729.26 | 25,364.91 | ..... | ..... | ..... | ..... | ..... | 31,062.64 | 56,427.55 |
| 1938 | 6,858.92 | 9,637.23 | 27,329.53 | ..... | ..... | ..... | ..... | ..... | 35,609.89 | 62,939.42 |
| 1939 | 8,161.76 | 8,779.56 | 26,337.06 | ..... | ..... | ..... | ..... | ..... | 32,915.52 | 59,252.58 |
| 1940 | 7,259.77 | 10,307.55 | 27,510.36 | ..... | ..... | ..... | ..... | ..... | 31,087.88 | 58,598.24 |
| 1941 | 8,250.63 | 9,805.42 | 27,378.58 | ..... | ..... | ..... | ..... | ..... | 25,825.09 | 53,203.67 |
| 1942 | 7,837.88 | 10,193.39 | 27,101.13 | ..... | ..... | ..... | ..... | ..... | 27,500.77 | 54,601.90 |
| 1943 | 4,931.03 | 9,236.07 | 18,975.18 | ..... | ..... | ..... | ..... | ..... | 23,731.10 | 42,706.28 |
| 1944 | 9,258.04 | 10,086.14 | 27,844.46 | ..... | ..... | ..... | ..... | ..... | 24,704.21 | 52,548.67 |
| 1945 | 7,399.31 | 10,695.44 | 23,699.15 | ..... | ..... | ..... | ..... | ..... | 24,491.79 | 48,190.94 |
| 1946 | 8,494.15 | 11,665.83 | 23,943.43 | ..... | ..... | ..... | ..... | ..... | 27,981.17 | 51,924.60 |
| 1947 | 9,355.82 | 12,950.03 | 25,813.88 | ..... | ..... | ..... | ..... | ..... | 39,863.58 | 65,677.46 |
| 1948 | 9,344.59 | 14,118.11 | 28,583.80 | ..... | ..... | ..... | ..... | ..... | 28,083.36 | 56,667.16 |
| 1949 | 13,932.15 | 22,007.79 | 38,292.13 | ..... | ..... | ..... | ..... | ..... | 24,174.99 | 62,467.12 |
| 1950 | 13,636.73 | 15,305.09 | 31,704.41 | ..... | ..... | ..... | ..... | ..... | 20,530.35 | 52,234.76 |
| 1951 | 15,088.80 | 15,656.96 | 32,302.53 | ..... | ..... | ..... | ..... | ..... | 21,357.95 | 53,660.48 |
| 1952 | 14,512.29 | 16,476.83 | 32,021.18 | ..... | ..... | ..... | ..... | ..... | 22,943.18 | 54,964.36 |
| 1953 | 14,648.91 | 17,267.89 | 33,108.18 | ..... | ..... | ..... | ..... | ..... | 19,254.41 | 52,362.59 |
| 1954 | 18,675.88 | 19,196.58 | 39,459.71 | ..... | ..... | ..... | ..... | ..... | 12,724.46 | 52,184.17 |
| 1955 | 17,474.13 | 22,187.79 | 42,822.27 | ..... | ..... | ..... | ..... | ..... | 13,412.76 | 56,235.03 |
| 1956 | 19,349.43 | 22,210.24 | 42,611.67 | ..... | ..... | ..... | ..... | ..... | 34,376.58 | 76,988.25 |
| 1957 | 13,979.14 | 21,833.80 | 64,799.79 | ..... | ..... | ..... | ..... | ..... | 5,887.12 | 123,420.66 |
| 1958 | 14,572.09 | 21,013.24 | 51,066.48 | 148,488.20 | 2,287.00 | 45,612.75 | 2,484.00 | 2,350.00 | 10,720.90 | 295,399.83 |
| | | | | | 1,662.00 | 78,462.25 | 2,825.00 | 2,175.00 | | |

Years 1957-1958 under Division of Parks.

DIVISION OF TIMBER

Analysis of Cash Receipts in 28 Years ending 31st March, 1959

| | Timber Dues and Bonus | Ground Rent | Fire Tax | Other Receipts | Total Receipts |
|--------------------------|--------------------------|-------------|--------------|----------------|----------------|
| 1931..... | 2,649,017.21 | 85,325.15 | 304,843.00* | 1,956.34 | 3,041,141.70 |
| 1932..... | 1,759,711.11 | 73,801.07 | 270,515.42* | 1,480.25 | 2,105,507.85 |
| 1933..... | 961,119.91 | 72,337.36 | 275,355.95* | 771.01 | 1,309,584.23 |
| 1934..... | 1,111,095.31 | 95,733.43 | 296,241.83 | 32,132.32 | 1,815,462.54 |
| 1935 (5 Mos.)..... | 359,018.34 | 6,764.61 | 280,259.65* | 898.00 | 376,576.80 |
| 1936..... | 2,070,654.87 | 76,730.34 | 280,285.04 | 2,433.18 | 2,570,245.95 |
| 1937..... | 2,180,583.48 | 104,692.15 | 140,142.52* | 45,508.22 | 2,804,643.20 |
| 1938..... | 2,928,504.94 | 88,163.13 | 473,859.35* | 4,751.21 | 3,437,563.96 |
| 1939..... | 3,351,304.55 | 76,282.39 | 416,144.68* | 74,939.24 | 3,912,072.51 |
| 1940..... | 2,300,307.53 | 88,036.46 | 409,546.33 | 47,146.57 | 2,863,761.71 |
| 1941..... | 3,404,708.57 | 136,626.71 | 428,271.15 | 68,379.73 | 4,153,237.20 |
| 1942..... | 3,695,167.49 | 79,370.11 | 543,522.19 | 71,461.64 | 4,122,576.50 |
| 1943 (Not Analysed)..... | ..... | ..... | 276,577.26 | ..... | 4,982,281.03 |
| 1944 (Not Analysed)..... | ..... | ..... | ..... | ..... | 4,561,733.49 |
| 1945..... | 3,606,191.54 | 117,396.26 | 436,395.41 | 81,597.79 | 4,241,581.00 |
| 1946..... | 4,947,915.12 | 115,299.49 | 419,322.89 | 72,243.81 | 5,554,781.31 |
| 1947..... | 6,175,443.93 | 125,060.70 | 461,163.51 | 182,436.25 | 6,944,104.39 |
| 1948..... | 6,093,409.64 | 126,875.25 | 456,443.81 | 178,302.28 | 6,855,030.98 |
| 1949..... | 6,899,106.93 | 108,934.25 | 440,010.56 | 115,761.63** | 7,332,290.11 |
| 1950..... | 6,146,884.32 | 112,139.00 | 485,313.46 | 44,898.26 | 6,789,235.04 |
| 1951..... | 5,269,278.71 | 116,641.52 | 1,007,661.97 | 67,521.04 | 6,461,103.24 |
| 1952..... | 8,324,529.10 | 114,196.50 | 1,010,554.47 | 51,585.03 | 9,500,865.10 |
| 1953..... | 13,718,338.94 | 123,366.41 | 1,175,775.93 | 100,219.59 | 15,117,700.87 |
| 1954..... | 10,225,154.88 | 79,831.50 | 1,052,634.61 | 8,839.38 | 11,396,460.37 |
| 1955..... | 10,834,113.77 | 76,019.46 | 945,953.21 | 71,591.78 | 11,927,678.22 |
| 1956..... | 11,667,002.82 | 76,234.00 | 971,517.29 | 8,023.81** | 12,706,730.30 |
| 1957..... | 12,332,778.27 | 80,786.20 | 1,091,659.16 | 51,344.11 | 13,556,567.74 |
| 1958..... | 13,333,502.64 | 81,098.00 | 1,041,836.51 | 25,428.76** | 14,431,008.39 |

*Applied as Refund to Expenditure on Forest Ranging.

**Refund of Deposits in Excess of Cash Receipts.

DIVISION OF FISH AND WILDLIFE

Though game and fish resources were of considerable concern to the Commissioner of Crown Lands during the period when Upper and Lower Canada were united, they had not the significance that they attained when the Department of Game and Fisheries was formed under different departments from time to time until the annual report for 1888-89 intimated that the control and management of fisheries was placed under the Crown Lands Department. In the following year the game laws were amended and in 1897 the Commissioner reported that the fishing service had been transferred to the Attorney General.

Under a variety of Ministers from time to time the Game and Fisheries organizations developed until 1946 when, because of its importance as one of the main features of replaceable natural resources it was included as a Division of the Department of Lands and Forests where control of all replaceable natural resources now rests.

As Chief of the new Division Dr. W. J. K. Harkness, a widely recognized authority was appointed and proceeded with the extension of the work of conserving these resources. The tables herein reveal something of its magnitude.

BOUNTIES PAID IN 16 YEARS ENDING 31st MARCH, 1958

BEAR BOUNTY

| Year | 12 mts. and over \$10 each | Under 12 mts. \$5 each | Total Amount Paid | WOLF BOUNTY | | | | | Total Amount Paid |
|-----------|----------------------------------|------------------------------|-------------------------|-------------|-------|------|-------|----------|-------------------------|
| | | | | Timber | Brush | Pups | Total | | |
| 1943..... | .... | .... | ..... | 935 | 497 | 32 | 1,464 | \$33,607 | |
| 1944..... | .... | .... | ..... | 1,302 | 731 | 32 | 2,065 | 45,546 | |
| 1945..... | .... | .... | ..... | 1,321 | 665 | 12 | 1,998 | 45,994 | |
| 1946..... | .... | .... | ..... | 1,266 | 777 | 30 | 2,073 | 45,000 | |
| 1947..... | 959 | 73 | \$9,735 | 1,440 | 1,182 | 42 | 2,664 | 59,275 | |
| 1948..... | 509 | 17 | 5,095 | 1,515 | 961 | 74 | 2,540 | 54,923 | |
| 1949..... | 592 | 67 | 6,035 | 1,581 | 1,062 | 84 | 2,727 | 57,977 | |
| 1950..... | 803 | 122 | 8,530 | 1,613 | 890 | 41 | 2,544 | 56,927 | |
| 1951..... | 453 | 47 | 4,645 | 1,405 | 651 | 44 | 2,100 | 46,457 | |
| 1952..... | 408 | 29 | 4,180 | 1,198 | 634 | 63 | 1,895 | 41,803 | |
| 1953..... | 662 | 57 | 6,805 | 1,313 | 739 | 68 | 2,120 | 46,550 | |
| 1954..... | 947 | 145 | 10,000 | 1,101 | 720 | 70 | 1,891 | 41,853 | |
| 1955..... | 1,126 | 99 | 11,590 | 1,075 | 620 | 41 | 1,736 | 38,703 | |
| 1956..... | 614 | 50 | 6,310 | 1,088 | 559 | 28 | 1,675 | 37,550 | |
| 1957..... | 611 | 50 | 6,225 | 1,195 | 486 | 71 | 1,752 | 38,950 | |
| 1958..... | 1,568 | 300 | 16,930 | 1,047 | 574 | 34 | 1,655 | 37,255 | |

BREEDING STOCK ON LICENSED FUR FARMS IN 13 YEARS ENDING 1st JANUARY, 1957

| | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 |
|-------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|----------------|----------------|
| Fox | | | | | | | | | | | | | |
| Blue..... | 955 | 1,283 | 1,276 | 1,450 | 385 | 256 | 200 | 75 | 56 | 68 | 70 | 81 | 56 |
| Cross..... | 64 | 47 | 36 | 23 | 11 | 10 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| Pearl Platinum.... | | | 378 | 368 | 565 | 476 | 449 | 349 | 294 | 230 | 251 | 155 | 119 |
| Platinum..... | 1,514 | 2,382 | 3,133 | 2,437 | 1,549 | 903 | 559 | 267 | 159 | 136 | 136 | 108 | 105 |
| Red..... | 106 | 110 | 94 | 38 | 23 | 30 | 11 | 6 | 1 | 3 | 4 | 6 | 7 |
| Standard Silver.... | 11,238 | 10,772 | 9,400 | 6,654 | 5,016 | 3,391 | 2,813 | 1,567 | 760 | 583 | 456 | 239 | 166 |
| White Marked.... | 2,629 | 3,115 | 3,184 | 1,691 | 931 | 385 | 226 | 111 | 50 | 26 | 16 | 9 | 6 |
| TOTAL..... | 16,506 | 17,709 | 17,501 | 12,661 | 8,480 | 5,451 | 4,260 | 2,375 | 1,321 | 1,047 | 934 | 599 | 460 |
| Mink | | | | | | | | | | | | | |
| Standard and Dark | | | | | | | | | | | | | |
| Half-Blood..... | | | | | | | | 40,691 | 27,727 | 22,315 | 21,693 | 20,841 | 14,812 |
| Pastel..... | | | | | | | | 12,381 | 16,926 | 22,869 | 29,100 | 40,368 | 42,063 |
| Silverblu..... | | | | | | | | 15,798 | 17,710 | 20,443 | 21,053 | 21,125 | 24,072 |
| Other Mink..... | | | | | | | | 4,665 | 7,797 | 9,713 | 13,486 | 19,387 | 28,989 |
| TOTAL..... | 36,912 | 50,677 | 72,992 | 75,192 | 71,139 | 67,943 | 73,034 | 73,535 | 70,160 | 75,340 | 85,332 | 101,721 | 109,936 |
| Other Animals | | | | | | | | | | | | | |
| Beaver..... | 44 | 30 | 45 | 70 | 71 | 56 | 22 | 16 | 15 | 26 | 16 | 1 | 1 |
| Fisher..... | 14 | 35 | 45 | 46 | 26 | 23 | 21 | 13 | 10 | 9 | 11 | 12 | 12 |
| Lynx..... | 2 | 1 | 1 | 1 | 1 | | | | | | | | |
| Marten..... | 17 | 16 | 28 | 35 | 35 | 43 | 35 | 36 | 54 | 62 | 70 | 81 | 85 |
| Muskrat..... | 26 | 2 | 92 | 65 | 55 | 125 | 99 | 192 | 264 | 707 | 82 | 62 | 54 |
| Raccoon..... | 128 | 130 | 127 | 97 | 94 | 76 | 46 | 47 | 68 | 57 | 47 | 43 | 43 |
| Skunk..... | 1 | 3 | 2 | 1 | 5 | 4 | 6 | 2 | | | | 5 | 5 |
| NO. OF FARMS.... | 1,502 | 1,735 | 1,735 | 1,650 | 1,382 | 1,078 | 914 | 769 | 631 | 549 | 529 | 542 | 520 |

REVENUE RECEIVED FROM PELTS EXPORTED OR TANNED IN 12 YEARS ENDING 30th JUNE, 1958

| Year | NUMBER OF PELTS | | | ROYALTY ON WILD PELTS | | |
|-----------|------------------|-----------------|---------|-----------------------|-----------------|--------------|
| | Export Beaver | Total Export | Tanners | Export Beaver | Total Export | Tanners |
| 1947..... | 45,847 | 762,998 | 214,636 | \$ 91,694.00 | \$ 188,560.40 | \$ 23,229.30 |
| 1948..... | 20,083 | 862,700 | 294,017 | 40,166.00 | ..... | ..... |
| 1949..... | 74,253 | 940,378 | 271,167 | 148,506.00 | 238,073.05 | 27,156.25 |
| 1950..... | 65,600 | 909,079 | 181,723 | 131,200.00 | 219,948.80 | 18,074.95 |
| 1951..... | 81,845 | 814,447 | 149,340 | 163,690.00 | 241,937.60 | 15,492.75 |
| 1952..... | 105,503 | 922,868 | 188,847 | 211,006.00 | 300,321.05 | 19,556.35 |
| 1953..... | 122,287 | 998,713 | 256,476 | 185,103.00 | 300,798.80 | 26,313.75 |
| 1954..... | 105,071 | 908,990 | 240,441 | 157,635.50 | 268,822.90 | 25,430.15 |
| 1955..... | 134,729 | 941,348 | 325,947 | 135,919.50 | 242,489.95 | 34,794.90 |
| 1956..... | 112,663 | 769,027 | 190,566 | 112,663.00 | 196,956.25 | 20,766.50 |
| 1957..... | 111,278 | 788,370 | 248,613 | 111,278.00 | 194,339.80 | 27,596.25 |
| 1958..... | 140,930 | 879,316 | 149,779 | 140,930.00 | 224,921.35 | 9,407.05 |

PELTS EXPORTED OR TANNED IN 12 YEARS ENDING 30th JUNE, 1958

| Year | NUMBER OF PELTS | | | VALUE OF PELTS | | |
|-----------|-----------------|---------|-----------|----------------|----------------|----------------|
| | Wild | Ranch | Total | Wild | Ranch | Total |
| 1947..... | 876,204 | 101,430 | 977,634 | \$4,966,209.43 | \$2,262,888.38 | \$7,229,097.81 |
| 1948..... | 1,001,249 | 155,468 | 1,156,717 | 4,040,846.67 | 2,346,038.61 | 6,386,885.28 |
| 1949..... | 1,046,628 | 164,917 | 1,211,545 | 5,187,075.19 | 1,647,044.38 | 6,834,119.57 |
| 1950..... | 931,890 | 158,912 | 1,090,802 | 4,248,297.37 | 2,165,232.63 | 6,413,530.00 |
| 1951..... | 811,579 | 152,208 | 963,787 | 4,582,900.62 | 3,101,559.30 | 7,684,459.92 |
| 1952..... | 959,431 | 152,284 | 1,111,715 | 3,656,919.00 | 2,355,226.00 | 6,012,145.00 |
| 1953..... | 1,098,286 | 156,903 | 1,255,189 | 3,868,812.40 | 2,171,784.00 | 6,040,596.40 |
| 1954..... | 1,016,672 | 132,759 | 1,149,431 | 2,682,762.00 | 1,905,518.15 | 4,588,280.15 |
| 1955..... | 1,107,530 | 159,765 | 1,267,295 | 4,284,902.19 | 2,942,968.00 | 7,227,870.19 |
| 1956..... | 786,608 | 172,985 | 959,593 | 2,089,521.74 | 4,129,555.00 | 7,119,076.74 |
| 1957..... | 788,666 | 248,317 | 1,036,983 | 2,575,808.67 | 2,978,209.00 | 5,554,017.67 |
| 1958..... | 791,165 | 237,930 | 1,029,095 | 2,713,427.01 | 3,943,119.20 | 6,656,546.21 |

FUR RETURNS BY ONTARIO GAME MANAGEMENT DISTRICTS IN 10 YEARS ENDING 30th JUNE, 1958*

NUMBER OF TRAPPERS

| Year | Reg. | Res. | Farm | Total | Beaver | Fisher | Arc. | | Col. | ** | | Marten | Mink | Muskrat | Otter | Raccoon | Skunk | Squirrel | Weasel | Wolf | Wlv. |
|------|-------|-------|------|--------|---------|--------|------|-------|-------|-------|--------|---------|-------|---------|-------|---------|--------|----------|--------|------|------|
| | | | | | | | Fox | Fox | | Lynx | Fox | | | | | | | | | | |
| 1949 | .... | .... | ... | 4,326 | 46,208 | 1,027 | 39 | 2,783 | 409 | 120 | 19,867 | 172,219 | 3,276 | 129 | 77 | 209 | 20,544 | 178 | 24 | | |
| 1950 | .... | .... | ... | 4,917 | 62,717 | 310 | 14 | 1,727 | 389 | 48 | 30,750 | 146,145 | 3,488 | 66 | 169 | .... | 44,463 | 399 | 13 | | |
| 1951 | 4,957 | 6,422 | ... | 11,379 | 81,790 | 662 | 139 | 3,341 | 415 | 1,045 | 31,323 | 408,662 | 6,137 | 6,667 | 4,538 | 4,121 | 32,002 | 650 | 8 | | |
| 1952 | 4,985 | 6,656 | ... | 11,641 | 99,391 | 2,081 | 198 | 4,871 | 251 | 1,529 | 27,704 | 567,565 | 5,259 | 10,905 | 5,747 | 5,598 | 13,129 | 538 | 14 | | |
| 1953 | 5,054 | 6,434 | 844 | 12,332 | 109,260 | 2,414 | 54 | 5,784 | 1,216 | 2,210 | 28,904 | 671,642 | 6,410 | 9,874 | 5,749 | 16,077 | 23,727 | 613 | 255 | | |
| 1954 | 4,965 | 6,059 | 890 | 11,914 | 91,484 | 2,335 | 685 | 4,604 | 1,464 | 2,767 | 30,264 | 607,645 | 6,203 | 10,669 | 2,506 | 14,256 | 23,816 | 563 | 25 | | |
| 1955 | 4,929 | 6,406 | 975 | 12,310 | 115,439 | 2,915 | 98 | 2,879 | 1,547 | 3,587 | 29,520 | 640,865 | 6,224 | 9,641 | 1,879 | 16,133 | 28,813 | 501 | ... | | |
| 1956 | 4,693 | 5,761 | 547 | 11,001 | 98,084 | 3,046 | 163 | 2,619 | 891 | 2,909 | 27,510 | 400,111 | 6,401 | 13,135 | 819 | 13,861 | 20,190 | 445 | ... | | |
| 1957 | 4,471 | 4,776 | 282 | 9,529 | 93,065 | 1,822 | 60 | 1,253 | 657 | 4,092 | 30,069 | 443,153 | 5,325 | 10,551 | 1,105 | 19,440 | 17,981 | 560 | ... | | |
| 1958 | .... | .... | ... | 8,604 | 126,986 | 2,737 | 128 | 2,031 | 1,114 | 5,707 | 41,837 | 446,578 | 7,293 | 9,596 | 2,019 | 14,778 | 16,410 | 300 | .. | | |

(1958 Returns not complete)

*Management Began in 1947.

**Lynx includes Bob Cat.

***Wolverine includes Bear.

PROSECUTIONS IN 12 YEARS ENDING 31st MARCH, 1958

| Year | SEIZURES | | Public Sale of Seized Equipment | Convic- tions | Cases Dis- missed | Cases With- drawn | Total |
|-----------|----------|-------|---------------------------------------|------------------|-------------------------|-------------------------|-------|
| | Firearms | Total | | | | | |
| 1947..... | 976 | 1,844 | ..... | 2,040 | 85 | 4 | 2,129 |
| 1948..... | ..... | ..... | \$ 4,700.00 | 2,880 | 114 | 44 | 3,038 |
| 1949..... | 1,292 | 2,015 | 15,514.84 | 2,302 | 106 | 193 | 2,601 |
| 1950..... | 1,434 | 2,697 | 7,053.27 | 2,704 | 102 | 140 | 2,946 |
| 1951..... | 1,413 | 2,619 | 9,750.66 | 2,728 | 116 | 86 | 2,930 |
| 1952..... | 1,488 | 2,763 | 9,422.30 | 2,862 | 108 | 70 | 3,040 |
| 1953..... | 1,438 | 2,872 | ..... | 2,880 | 114 | 44 | 3,038 |
| 1954..... | 1,727 | 2,975 | ..... | 3,052 | 85 | 76 | 3,213 |
| 1955..... | 1,498 | 3,005 | 9,239.15 | 3,102 | 102 | 80 | 3,284 |
| 1956..... | 1,602 | 2,929 | 7,414.34 | 2,967 | 87 | 125 | 3,179 |
| 1957..... | 1,510 | 2,751 | 9,389.40 | 2,620 | 93 | 50 | 2,965 |
| 1958..... | 1,678 | 2,996 | 9,391.97 | 3,040 | 76 | 38 | 3,154 |

HUNTING AND ANGLING LICENCES SOLD IN 14 YEARS ENDING 31st DECEMBER, 1957

| YEAR | DEER HUNTING | | MOOSE HUNTING | | SMALL GAME | | BEAR & WOLF | TOTAL HUNTING | | ANGLING | |
|-----------|--------------|----------|---------------|----------|------------|----------|----------------|---------------|----------|----------|----------|
| | Resident | Non-Res. | Resident | Non-Res. | Total | Resident | Non-Res. | Resident | Non-Res. | Resident | Non-Res. |
| 1944..... | 38,654 | 2,385 | 41,039 | 875 | 1,528 | 92,847 | 1,949 | 181 | 132,376 | 5,168 | 89,291 |
| 1945..... | 53,930 | 4,430 | 58,360 | 1,282 | 2,708 | 131,468 | 3,281 | 314 | 186,680 | 9,451 | 126,367 |
| 1946..... | 62,913 | 7,877 | 70,790 | 1,694 | 2,924 | 155,309 | 4,666 | 783 | 219,916 | 14,556 | 171,400 |
| 1947..... | 67,299 | 11,193 | 78,492 | 2,270 | 3,786 | 171,098 | 3,620 | 548 | 240,667 | 16,877 | 196,785 |
| 1948..... | 73,700 | 11,300 | 85,000 | 3,000 | 4,700 | 186,060 | 3,200 | 1,600 | 262,760 | 17,800 | 224,893 |
| 1949..... | 76,274 | 12,050 | 88,324 | * | * | 205,706 | 3,300 | 1,176 | 281,980 | 16,526 | 240,273 |
| 1950..... | 84,380 | 12,440 | 96,820 | * | * | 213,594 | 5,620 | 1,127 | 297,974 | 19,187 | 237,191 |
| 1951..... | 89,290 | 10,400 | 99,690 | 1,400 | 1,400 | 240,040 | 4,960 | 1,120 | 330,730 | 16,480 | 272,180 |
| 1952..... | 96,790 | **870 | 97,660 | 3,620 | 3,620 | 268,444 | 5,400 | 3,060 | 368,851 | 9,330 | 287,997 |
| 1953..... | 92,785 | 8,300 | 101,085 | 5,196 | 5,833 | 256,341 | 3,810 | 2,490 | 354,322 | 15,237 | 308,500 |
| 1954..... | 92,800 | 10,400 | 103,200 | 7,500 | 8,230 | 284,000 | 5,300 | 1,520 | 384,300 | 17,950 | 366,150 |
| 1955..... | 105,150 | 8,050 | 113,200 | 9,000 | 9,990 | 318,000 | 6,010 | 1,750 | 432,150 | 16,800 | 377,220 |
| 1956..... | 98,079 | 7,426 | 105,505 | 13,441 | 14,962 | 316,778 | 5,905 | 2,031 | 428,298 | 16,883 | 376,000 |
| 1957..... | 106,620 | 6,743 | 113,363 | 17,367 | 19,257 | 341,838 | 6,092 | 2,703 | 465,825 | 17,423 | 397,435 |

*Closed Season.

**U.S.A. Ban on importation of Cloven-Hoofed Animals.

DISTRIBUTION OF HATCHERY FISH IN 11 YEARS ENDING 31st DECEMBER, 1957 (IN 000's)

| SPECIES | *1947 | *1948 | *1949 | *1950 | *1951 | *1952 | 1953 | 1954 | 1955 | 1956 | 1957 |
|--------------------------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BLACK BASS, Large mouth. | | | | | | | | | | | |
| Fry..... | 305 | 410 | 550 | 550 | 826 | 544 | 330 | 720 | 282 | 360 | 190 |
| Fingerling..... | 6 | .... | 16 | 53 | 145 | 97 | 328 | 279 | 343 | 122 | 129 |
| Yearling and Adult..... | 1 | 1 | .... | .... | 1 | 1 | 1 | .... | 4 | 1 | 3 |
| BLACK BASS, Small mouth. | | | | | | | | | | | |
| Fry..... | 1,457 | 1,403 | 1,533 | 1,506 | 935 | 358 | 720 | 820 | 209 | 803 | 468 |
| Fingerling..... | 580 | 555 | 398 | 346 | 402 | 385 | 623 | 452 | 529 | 369 | 132 |
| Yearling and Adult..... | 5 | 3 | 7 | 9 | 14 | 15 | 18 | 14 | 25 | 19 | 1 |
| BLUEGILLS | | | | | | | | | | | |
| Fingerling..... | .... | .... | .... | .... | .... | .... | .... | .... | 2 | .... | .... |
| Adult..... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| CHARR, French Alpine. | | | | | | | | | | | |
| Fingerling..... | .... | .... | .... | .... | .... | .... | .... | .... | .... | 21 | .... |
| Yearling..... | .... | .... | .... | .... | .... | .... | .... | 1 | .... | .... | .... |
| Adult..... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| CHARR, Pennsylvania. | | | | | | | | | | | |
| Fingerling..... | .... | .... | .... | .... | .... | .... | .... | 2 | .... | .... | .... |
| HERRING | | | | | | | | | | | |
| Eggs..... | .... | .... | .... | .... | .... | .... | .... | 900 | 398 | .... | 1,840 |
| Fry..... | 23,940 | 20,375 | 8,400 | 5,100 | 8,100 | 1,100 | 3,600 | 2,717 | 3,400 | 350 | .... |
| MASKINONGE | | | | | | | | | | | |
| Fry..... | 2,790 | 3,135 | 2,750 | 3,350 | 2,360 | 3,750 | 2,740 | 3,550 | 3,712 | 3,610 | 2,430 |
| Fingerling..... | 12 | 25 | 38 | 30 | 22 | 62 | 43 | 40 | 51 | 74 | 39 |
| Adult..... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | 1 |

DISTRIBUTION OF HATCHERY FISH IN 11 YEARS ENDING 31st DECEMBER, 1957 (IN 000's)—Cont'd

| SPECIES | *1947 | *1948 | *1949 | *1950 | *1951 | *1952 | 1953 | 1954 | 1955 | 1956 | 1957 |
|-------------------------|---------|---------|---------|---------|---------|---------|---------|---------|--------|---------|--------|
| OUANANICHE | | | | | | | | | | | |
| Fingerling..... | | | 1 | ..... | ..... | ..... | ..... | ..... | ..... | 1 | ..... |
| Yearling..... | | | | | | 24 | ..... | ..... | ..... | ..... | 11 |
| Adult..... | | | | | | | | 2 | 1 | ..... | ..... |
| PERCH | | | | | | | | | | | |
| Fry..... | 12,000 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| PICKEREL | | | | | | | | | | | |
| Eggs..... | | | | | | | | 227,000 | 91,800 | 138,805 | 90,565 |
| Fry..... | 254,030 | 267,170 | 312,900 | 160,200 | 234,610 | 176,285 | 270,975 | 6,000 | 8,310 | ..... | ..... |
| Fingerling..... | | | | | | | | | | | 3 |
| Adult..... | | | | | | | 2 | 1 | ..... | ..... | ..... |
| SALMON, Atlantic | | | | | | | | | | | |
| Fingerling..... | 59 | 101 | 112 | ..... | ..... | 72 | ..... | ..... | ..... | ..... | ..... |
| SALMON, Chum. | | | | | | | | | | | |
| Eggs..... | | | | | | | | | 423 | ..... | ..... |
| Fingerling..... | | | | | | | | | 449 | ..... | ..... |
| SALMON, Pink. | | | | | | | | | | | |
| Eggs..... | | | | | | | | | | 513 | ..... |
| Fingerling..... | | | | | | | | | | 224 | ..... |
| SPLAKE | | | | | | | | | | | |
| Fingerling..... | | | | | | | 25 | ..... | ..... | ..... | 16 |
| Yearling..... | | | | | | | | 17 | 10 | 8 | 16 |
| Adult..... | | | | | | | | 2 | ..... | ..... | ..... |

| | | | | | | | | | | | |
|------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--|
| TROUT, Brown | | | | | | | | | | | |
| Eggs..... | 9 | 10 | 10 | 283 | 108 | 92 | 100 | 101 | 29 | 8 | |
| Fingerling..... | 558 | 175 | 307 | 55 | 140 | 103 | 178 | 234 | 151 | 36 | |
| Yearling..... | 350 | 222 | 85 | ..... | ..... | ..... | ..... | ..... | ..... | 170 | |
| Adult..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |  |
| TROUT, Kamloops | | | | | | | | | | | |
| Eggs..... | ..... | ..... | ..... | ..... | ..... | ..... | 2** | 2** | 10 | 13 | |
| Fingerling..... | ..... | 2 | ..... | ..... | 1 | ..... | 1** | 3** | ..... | 32 | |
| Yearling..... | 5 | 32 | 52 | 35 | 73 | 108 | 141** | 83** | 78 | 123 | |
| Adult..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 1** | ..... | ..... |  |
| TROUT, Lake | | | | | | | | | | | |
| Eggs..... | ..... | ..... | ..... | 1,775 | 1,849 | 250 | ..... | ..... | 12 | ..... |  |
| Fry..... | 1,000 | 1,000 | 1,450 | 3,147 | 3,499 | 6,985 | 2,606 | 2,612 | 10 | ..... |  |
| Fingerling..... | 4,858 | 5,562 | 4,489 | 134 | 231 | 172 | 4'5 | 241 | 736 | 230 | |
| Yearling..... | 77 | 81 | 55 | ..... | ..... | ..... | ..... | ..... | 320 | 39 | |
| TROUT, Rainbow | | | | | | | | | | | |
| Fingerling..... | 28 | ..... | ..... | 10 | 2 | 25 | ** | ** | ..... | ..... |  |
| Yearling..... | 8 | ..... | ..... | ..... | ..... | 1 | ** | ** | ..... | ..... |  |
| TROUT, Speckled | | | | | | | | | | | |
| Eggs..... | ..... | ..... | ..... | ..... | ..... | ..... | 720 | 50 | ..... | 200 | |
| Fry..... | 1 | 16 | ..... | ..... | ..... | ..... | ..... | ..... | 35 | 91 | |
| Fingerling..... | 882 | 1,475 | 1,005 | 945 | 537 | 1,963 | 166 | 842 | 1,332 | 522 | |
| Yearling..... | 2,334 | 2,938 | 3,141 | 3,087 | 2,721 | 3,251 | 2,056 | 1,991 | 2,092 | 2,677 | |
| Legal Size..... | 5 | 2 | 8 | 12 | 19 | 14 | 4 | 16 | 19 | 10 | |
| WHITEFISH | | | | | | | | | | | |
| Eggs..... | ..... | ..... | ..... | ..... | ..... | ..... | 42,665 | 67,165 | 51,178 | 13,435 | |
| Fry..... | 233,316 | 243,482 | 245,150 | 121,185 | 200,400 | 186,700 | 139,210 | 102,950 | 11,130 | 67,275 | |
| TOTAL..... | | | | | | | | | | | |
| | 535,775 | 546,776 | 583,369 | 378,080 | 392,272 | 479,069 | 430,780 | 286,267 | 212,410 | 180,704 | |

*Figures for 1947-1952 Compiled on Fiscal Year Basis. **Rainbow Trout Included in Kamloops Trout Plantings.

**YIELD OF ONTARIO FISHERIES (In Thousands of Pounds) IN 23 YEARS
ENDING 31st DECEMBER, 1957**

| Year | Lake Ontario | Lake Erie | Lake St. Clair | Lake Huron | Georgian Bay | North Channel | Lake Superior | Northern Inland | Southern Inland | Total | Value \$'000 |
|-----------|-----------------|--------------|-------------------|---------------|-----------------|------------------|------------------|--------------------|--------------------|--------|-----------------|
| 1935..... | 2,785 | 14,429 | 697 | 3,670 | 3,275 | 1,434 | 3,578 | 4,496 | 852 | 35,216 | 2,634 |
| 1936..... | 3,154 | 11,954 | 650 | 3,511 | 2,862 | 1,417 | 4,899 | 4,883 | 925 | 34,255 | 2,615 |
| 1937..... | 3,377 | 14,665 | 766 | 3,189 | 3,079 | 1,307 | 4,509 | 4,447 | 754 | 36,093 | 2,644 |
| 1938..... | 3,086 | 14,502 | 669 | 3,009 | 3,082 | 1,194 | 4,057 | 4,598 | 717 | 34,914 | 2,574 |
| 1939..... | 3,512 | 14,264 | 784 | 2,496 | 2,989 | 960 | 3,307 | 4,883 | 655 | 33,850 | 2,565 |
| 1940..... | 3,040 | 9,768 | 835 | 2,211 | 2,659 | 792 | 3,319 | 4,734 | 609 | 27,967 | 2,226 |
| 1941..... | 3,126 | 8,951 | 992 | 2,148 | 2,734 | 542 | 3,436 | 4,504 | 517 | 26,950 | 2,147 |
| 1942..... | 2,488 | 10,038 | 598 | 2,081 | 2,163 | 535 | 3,362 | 4,570 | 546 | 26,381 | 3,372 |
| 1943..... | 2,281 | 14,483 | 487 | 1,836 | 2,010 | 572 | 3,347 | 4,961 | 618 | 30,595 | 4,704 |
| 1944..... | 2,637 | 15,256 | 449 | 1,460 | 1,545 | 487 | 3,761 | 4,964 | 482 | 30,041 | 4,389 |
| 1945..... | 2,338 | 18,950 | 503 | 1,071 | 1,524 | 434 | 3,812 | 5,040 | 606 | 34,278 | 6,484 |
| 1946..... | 2,059 | 18,925 | 493 | 954 | 1,292 | 290 | 3,589 | 4,719 | 679 | 33,000 | 5,597 |
| 1947..... | 2,002 | 12,334 | 466 | 1,107 | 666 | 267 | 2,830 | 4,802 | 448 | 24,922 | 4,803 |
| 1948..... | 2,046 | 14,926 | 437 | 1,440 | 913 | 445 | 3,371 | 4,629 | 735 | 28,942 | 5,735 |
| 1949..... | 2,006 | 19,093 | 540 | 1,260 | 1,563 | 550 | 3,188 | 5,254 | 607 | 34,061 | 5,497 |
| 1950..... | 2,219 | 16,866 | 469 | 1,301 | 2,794 | 668 | 2,655 | 5,229 | 555 | 32,756 | 6,252 |
| 1951..... | 2,411 | 13,114 | 389 | 1,474 | 3,720 | 548 | 2,851 | 5,728 | 707 | 30,972 | 7,044 |
| 1952..... | 2,281 | 17,417 | 792 | 1,736 | 5,359 | 433 | 3,127 | 6,221 | 678 | 38,044 | 7,417 |
| 1953..... | 2,059 | 23,389 | 983 | 1,396 | 6,876 | 458 | 2,771 | 6,080 | 827 | 44,839 | 7,037 |
| 1954..... | 1,914 | 28,912 | 1,021 | 1,463 | 4,292 | 395 | 2,890 | 6,080 | 712 | 47,679 | 7,013 |
| 1955..... | 1,943 | 30,285 | 822 | 1,262 | 2,298 | 244 | 2,540 | 5,627 | 615 | 45,636 | 6,783 |
| 1956..... | 2,627 | 44,682 | 1,029 | 1,463 | 1,113 | 187 | 2,145 | 5,878 | 503 | 59,717 | 7,928 |
| 1957..... | 1,997 | 37,105 | 1,113 | 988 | 664 | 191 | 2,797 | 5,764 | 493 | 51,113 | 7,047 |

YIELD OF ONTARIO FISHERIES IN NINE YEARS ENDING 31st DECEMBER, 1957 (In Pounds)

| SPECIES | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 |
|--------------------------|-------|-------|-------|-----------|------------|-----------|------------|------------|------------|
| Bass, Rock; Crappies.... | | | | 80,425 | 84,824 | 65,871 | 61,153 | 63,105 | 67,124 |
| Bass, White..... | | | | 1,441,834 | 2,196,536 | 6,202,235 | 4,589,014 | 5,794,936 | 3,588,509 |
| Bullheads..... | | | | 815,134 | 865,179 | 836,643 | 823,603 | 843,332 | 761,792 |
| Carp..... | | | | 1,129,836 | 1,383,564 | 1,427,787 | 1,317,931 | 1,905,901 | 1,507,842 |
| Catfish..... | | | | 370,178 | 294,755 | 331,787 | 285,438 | 298,631 | 271,939 |
| Caviar..... | | | | 2,262 | 2,335 | 2,144 | 2,929 | 2,140 | 2,518 |
| Chub; Tullibee..... | | | | 488,626 | 844,824 | 920,042 | 988,361 | 923,442 | 795,709 |
| Eels..... | | | | 65,788 | 59,547 | 80,115 | 70,836 | 55,109 | 103,363 |
| Gold Eyes..... | | | | 102,232 | 33,774 | 87,076 | 5,506 | 84,248 | 30,914 |
| Herring; Ciscoe..... | | | | 1,598,050 | 1,149,315 | 1,374,917 | 935,567 | 1,141,636 | 1,995,970 |
| Ling..... | | | | 247,458 | 457,664 | 426,228 | 505,701 | 450,934 | 354,177 |
| Menominee; Pilots..... | | | | 20,760 | 11,015 | 12,703 | 17,587 | 19,676 | 23,486 |
| Perch..... | | | | 2,738,032 | 4,628,588 | 8,202,567 | 5,180,676 | 11,842,644 | 12,067,855 |
| Pickrel, Blue..... | | | | 7,447,296 | 10,399,422 | 8,209,830 | 12,070,406 | 12,019,324 | 6,397,785 |
| Pickrel, Yellow..... | | | | 4,760,365 | 4,649,590 | 5,195,933 | 6,883,415 | 11,673,278 | 10,608,822 |
| Pike, Northern..... | | | | 1,056,162 | 964,471 | 1,148,116 | 913,418 | 904,264 | 913,790 |
| Saugers..... | | | | 361,897 | 249,716 | 212,399 | 167,826 | 133,082 | 103,145 |
| Sheepshead..... | | | | 1,120,922 | 848,530 | 853,494 | 840,014 | 774,419 | 849,182 |
| Smelt..... | | | | 661,583 | 1,325,883 | 1,549,923 | 2,327,976 | 4,015,885 | 4,665,657 |
| Sturgeon..... | | | | 182,941 | 193,487 | 171,843 | 159,996 | 138,447 | 174,170 |
| Suckers..... | | | | 1,485,032 | 1,567,602 | 1,484,694 | 1,395,196 | 1,393,574 | 1,317,318 |
| Sunfish..... | | | | 284,556 | 469,123 | 376,426 | 369,651 | 441,325 | 374,923 |
| Trout, Lake..... | | | | 2,181,148 | 1,862,044 | 1,561,922 | 1,189,543 | 641,360 | 498,483 |
| Whitefish..... | | | | 9,426,278 | 10,213,916 | 6,843,640 | 4,452,024 | 4,049,358 | 3,225,674 |
| Miscellaneous..... | | | | 65,254 | 82,868 | 100,568 | 82,608 | 132,231 | 413,003 |

TOTAL..... 34,061,361 32,755,813 30,971,525 38,044,049 44,838,572 47,678,903 45,636,375 59,717,281 51,113,150

TOTAL VALUE..... \$5,496,837 \$6,252,047 \$7,044,026 \$7,416,690 \$7,036,552 \$7,012,982 \$6,783,167 \$7,927,956 \$7,047,006

COMMERCIAL FISHING EQUIPMENT IN 12 YEARS ENDING 31st DECEMBER, 1957

| Year | COMMERCIAL LICENCES | | Number of Men | FISHING BOATS | | AMOUNT OF NETS | | | | | | Freezers & Ice Houses | Wharves and Piers | Net Sheds | Total Value |
|----------|---------------------|-------|---------------|---------------|--------------|----------------|-------|-------|-------|-------|-----|-----------------------|-------------------|-----------|-------------|
| | Gill Nets | Total | | 40 & Over | Under 40 ft. | Gill (Yds.) | Pound | Trap* | Hoop | Seine | | | | | |
| | | | | | | | | | | | | | | | |
| 1946.... | .... | .... | 4,244 | 107 | 2,205 | 9,090,199 | 1,079 | .... | 1,288 | 121 | 525 | 437 | .... | .... | \$4,763,778 |
| 1947.... | .... | 2,421 | 4,026 | 112 | 2,009 | 8,853,717 | 1,135 | .... | 1,240 | 99 | 486 | 400 | .... | .... | 5,147,029 |
| 1948.... | .... | .... | 3,736 | 111 | 1,930 | 8,980,784 | 1,152 | .... | 1,324 | 92 | 477 | 412 | .... | .... | 5,716,075 |
| 1949.... | 1,071 | 2,675 | 3,930 | 123 | 2,039 | 9,143,558 | 1,182 | .... | 1,411 | 110 | 456 | 395 | .... | .... | 5,988,165 |
| 1950.... | 1,021 | 2,722 | 3,886 | 116 | 1,966 | 9,064,269 | 1,214 | .... | 1,439 | 112 | 477 | 425 | .... | .... | 6,678,891 |
| 1951.... | 1,063 | 2,894 | 3,833 | 126 | 1,981 | 8,943,785 | 1,204 | .... | 1,483 | 105 | 476 | 416 | .... | .... | 6,985,465 |
| 1952.... | 1,124 | 3,115 | 3,878 | 196 | 1,682 | 9,056,782 | 1,127 | 359 | 1,564 | 109 | 462 | 474 | 727 | 827 | 8,327,779 |
| 1953.... | 1,098 | 3,098 | 3,807 | 215 | 1,538 | 9,312,308 | 1,078 | 549 | 1,570 | 101 | 493 | 487 | 827 | 827 | 8,838,656 |
| 1954.... | 1,045 | 3,200 | 3,657 | 214 | 1,407 | 9,247,586 | 878 | 709 | 1,578 | 116 | 482 | 456 | 778 | 778 | 9,176,180 |
| 1955.... | 1,066 | 3,379 | 3,483 | 224 | 1,338 | 9,303,838 | 787 | 822 | 1,545 | 134 | 442 | 447 | 759 | 759 | 9,226,538 |
| 1956.... | 1,032 | 3,470 | 3,135 | 202 | 1,320 | 8,718,920 | 784 | 763 | 1,487 | 84 | 426 | 437 | 754 | 754 | 8,891,463 |
| 1957.... | 1,038 | 3,684 | 3,066 | 211 | 1,321 | 8,617,596 | 671 | 804 | 1,462 | 91 | 412 | 404 | 709 | 709 | 8,676,011 |

*Trap Nets included with Pound Nets, 1946-1951.

DIVISION OF FOREST PROTECTION

The late Aubrey White, former Deputy Minister, may be regarded as the originator of forest protection as we know it.

His extensive report of March 30/85 on the emergency induced by increasing forest fire losses brought about government recognition of the necessity of immediate organized activity to meet the situation.

In the annual report for the following year Mr. White stated, "Last year was the first year of the experiment which was found to work in a satisfactory manner to the Department as well as to the licensees the net expense to the Province was under \$4,000". Mr White asked for \$8,000 for his new budget.

What had been accomplished received enthusiastic approval and laid the foundations of the fine organization which functions so well today.

Year by year the area under protection extended and so did the cost and so did the beneficial results.

The following are features:

The first legislation concerned with forest protection, "An Act to Preserve the Forests from Destruction by Fire", was placed in the statutes in 1878. In 1886 legislation which allowed sharing of fire ranging costs by the Province and licensee on licensed lands was enacted, to be supplemented by placing fire rangers on unlicensed Crown lands at public expense in 1897. This was further revised in 1910 when license holders were required to assume the full costs of fire ranging on licensed areas.

1911-16—HISTORIC FIRES

In 1911 the Porcupine fire occurred, burning over 864 square miles, causing \$3,000,000.00 property damage. This fire took 73 lives. Five years later, in 1916, the Matheson fire killed 223 persons, burned over 1,000 square miles and caused \$2,000,000.00 property damage.

1917—NEW ACT

The "Forest Fires Prevention Act" of 1917, the forerunner of our present legislation established the permit system of controlling settlers' fires. The principle of the annual, per acre, protection charge on licensed lands

(fire tax) was established under The Crown Timber Act in that year. This same year witnessed the appearance of motor-powered portable pumps in the Ontario protection service. In contrast with the 7 pumps purchased in 1917 there are now more than 1,000 units, many of the very latest design, in use.

1922—HAILEYBURY FIRE

The Haileybury fire of 1922 took 44 lives and caused \$6,000,000.00 property damage while burning over 2,000 square miles.

1924—AIR SERVICE

The year 1924 is noteworthy in that it marks the formation of the Provincial Air Service. The fourteen HS2L flying boats purchased in that year have been replaced by a series of other aircraft.

1927—RADIO SERVICE STARTED

Radio communication was first used by the Ontario protection service in the Red Lake Division of the Hudson Inspectorate in North-western Ontario. This was in the year 1927. In 1935 V.H.F. tower radio equipment went into service followed by aircraft radio equipment in 1939.

1938—FORT FRANCIS FIRES

In 1938 there were 17 deaths as a result of fires in the Fort Frances District.

1941—This year saw Protection created as Division of the Department instead of a Branch as formerly.

1946—This year 1946 witnessed the initiation of the province-wide area-seen survey in connection with the tower detection system. The Forest Insect Laboratory at Sault Ste. Marie was completed in that year.

1948—NEW FIRE ACT

The Forest Fires Prevention Act was rewritten to its present form in 1948; only minor amendments have been added since that time. This was the year of the Mississagi fire with the subsequent salvage of 200,000 M.B.F. of lumber and 125,000 cords of pulpwood.

1949—PROVINCE-WIDE RADIO NETWORK COMPLETED

The province-wide radio network, with the "key" station at Maple was completed in 1949.

1952—FLYING SUPPRESSION CREWS

In 1952 suppression crews were being carried on routine aerial detection patrols, and the year 1953 was marked by the use of helicopters, throughout the Fire Season, for the first time.

1953—FOREST PATHOLOGY LABORATORY

The Laboratory of Forest Pathology at the Southern Research Station, Maple, was completed in 1953.

1955—BAD FIRE YEAR

A very heavy and sustained fire-load was experienced in 1955. Suppression action featured mobility of resources, the use of water-bombing and cargo-dropping techniques, and the teamwork of the helicopters and the Beaver aircraft. The value of the larger, transport type, helicopter was well demonstrated during the critical period when, through the courtesy of the R.C.A.F., a Sikorski and a Piasecki were made available to the protection service.

1957—Forest Protection and Air Service Divisions were consolidated with Air Service as a branch of Forest Protection.

AIR SERVICE BRANCH

The use of aircraft owned by the Provincial Government in forest protection began in 1924 with the purchase of 15 H.S.2.L. flying boats and during that year 2,500 hours were flown. At that time the flying service was a part of the forest protection organization and Capt. W. Roy Maxwell previously with Laurentide Air Service was appointed its first director.

The installation of bases at strategic points through the forest area followed and this was accompanied by fuel caches appropriately located.

From time to time additions were made to the fleet including a Loening and a Vickers Vedette and as the older types became obsolete newer and more suitable types were obtained. These included the Moth, Stinson, Fairchild Hamilton, DeHavilland and Norseman.

In 1934 Capt. Maxwell was succeeded as Director by Mr. Geo. Ponsford who had a wide experience in both war and peacetime aircraft.

NUMBER OF ACRES BURNED OVER

| YEAR | Crown | Private | Total | NUMBER OF FIRES | AVERAGE ACREAGE |
|-----------|-----------|---------|-----------|--------------------|--------------------|
| 1925..... | 132,481 | 57,062 | 189,543 | 1,149 | 165 |
| 1926..... | 65,888 | 22,486 | 88,374 | 1,110 | 80 |
| 1927..... | 22,772 | 12,970 | 35,742 | 924 | 39 |
| 1928..... | 96,436 | 3,947 | 100,383 | 536 | 189 |
| 1929..... | 608,750 | 16,893 | 625,643 | 1,550 | 404 |
| 1930..... | 357,531 | 354,278 | 711,809 | 1,402 | 508 |
| 1931..... | 105,866 | 32,421 | 138,287 | 1,851 | 75 |
| 1932..... | 626,555 | 52,466 | 679,021 | 2,073 | 328 |
| 1933..... | 325,034 | 24,924 | 349,958 | 1,919 | 182 |
| 1934..... | 160,348 | 38,285 | 198,633 | 1,568 | 127 |
| 1935..... | 183,179 | 67,483 | 250,662 | 1,309 | 191 |
| 1936..... | 1,153,876 | 110,557 | 1,264,433 | 2,264 | 558 |
| 1937..... | 201,887 | 22,859 | 224,746 | 1,453 | 155 |
| 1938..... | 96,168 | 42,077 | 138,245 | 1,292 | 107 |
| 1939..... | 26,089 | 3,009 | 29,098 | 961 | 30 |
| 1940..... | 100,990 | 20,624 | 121,614 | 1,014 | 120 |
| 1941..... | 271,793 | 394,754 | 666,547 | 1,265 | 527 |
| 1942..... | 77,709 | 36,007 | 113,716 | 1,224 | 93 |
| 1943..... | 33,465 | 19,352 | 52,817 | 624 | 85 |
| 1944..... | 73,228 | 95,663 | 168,891 | 1,137 | 149 |
| 1945..... | 17,997 | 30,513 | 48,510 | 966 | 47 |
| 1946..... | 44,656 | 32,113 | 76,769 | 1,739 | 44 |
| 1947..... | 38,093 | 45,939 | 84,032 | 1,393 | 60 |
| 1948..... | 854,778 | 162,611 | 1,017,389 | 2,036 | 500 |
| 1949..... | 40,593 | 19,472 | 60,065 | 1,834 | 33 |
| 1950..... | 13,203 | 23,577 | 36,780 | 985 | 37 |
| 1951..... | 96,662 | 4,581 | 101,243 | 904 | 112 |
| 1952..... | 7,264 | 5,157 | 12,421 | 1,095 | 11 |
| 1953..... | 44,519 | 14,290 | 58,809 | 1,520 | 39 |
| 1954..... | 36,115 | 18,578 | 54,693 | 881 | 62 |
| 1955..... | 370,948 | 25,475 | 396,423 | 2,252 | 176 |
| 1956..... | 221,822 | 4,390 | 226,212 | 1,017 | 222 |
| 1957..... | 24,250 | 22,401 | 46,651 | 1,671 | 28 |
| 1958..... | 25,544 | 11,108 | 36,652 | 1,558 | 24 |

FOREST FIRES CLASSIFIED BY ORIGIN, AGENCY OF DETECTION, AND SIZE

| ORIGIN | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 |
|------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Settlers..... | 44 | 80 | 75 | 147 | 152 | 107 | 74 | 112 | 92 | 42 | 148 | 49 | 125 | 123 |
| Campers..... | 289 | 481 | 298 | 432 | 451 | 256 | 191 | 315 | 388 | 221 | 390 | 196 | 379 | 325 |
| Smokers..... | 231 | 383 | 248 | 461 | 340 | 258 | 173 | 214 | 279 | 147 | 298 | 145 | 342 | 371 |
| Railways..... | 163 | 249 | 180 | 333 | 138 | 99 | 139 | 131 | 188 | 82 | 189 | 122 | 176 | 149 |
| Road Construction..... | 4 | 21 | 30 | 46 | 85 | 47 | 28 | 26 | 13 | 11 | 13 | 34 | 73 | 63 |
| Logging..... | 32 | 68 | 56 | 52 | 52 | 29 | 38 | 31 | 24 | 13 | 53 | 22 | 39 | 17 |
| Mining..... | 3 | 11 | 6 | 6 | 6 | 3 | 12 | 5 | 2 | 3 | 11 | 6 | 7 | 1 |
| Prospectors..... | 3 | 2 | 2 | 2 | 6 | 1 | .... | .... | 1 | 2 | 11 | 8 | 3 | 1 |
| Incendiary..... | 8 | 31 | 15 | 35 | 32 | 16 | 16 | 13 | 19 | 25 | 31 | 8 | 26 | 43 |
| Miscellaneous..... | 36 | 68 | 31 | 31 | 94 | 68 | 74 | 108 | 143 | 74 | 148 | 123 | 194 | 229 |
| Unknown..... | 32 | 42 | 42 | 9 | 10 | 8 | 8 | 10 | 14 | 9 | 32 | 2 | 32 | 17 |
| Lightning..... | 121 | 303 | 410 | 433 | 468 | 93 | 151 | 130 | 357 | 252 | 928 | 302 | 275 | 219 |

TOTAL..... 966 1,739 1,393 2,036 1,834 985 904 1,095 1,520 881 2,252 1,017 1,671 1,558

| | | | | | | | | | | | | | | |
|-----------------------|-----|-------|-----|-------|-------|-----|-----|-----|-------|-----|-------|-----|-------|-------|
| Man Caused—Total..... | 845 | 1,436 | 983 | 1,603 | 1,366 | 892 | 753 | 965 | 1,163 | 629 | 1,324 | 715 | 1,396 | 1,339 |
| Percentage..... | 87 | 83 | 71 | 79 | 74 | 91 | 83 | 88 | 77 | 71 | 59 | 70 | 84 | 86 |

MEANS OF DETECTION

| | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 |
|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Towers..... | 314 | 615 | 424 | 575 | 630 | 352 | 310 | 344 | 528 | 353 | 891 | 262 | 575 | 581 |
| Aircraft..... | 121 | 197 | 264 | 411 | 337 | 117 | 122 | 139 | 216 | 126 | 395 | 189 | 202 | 121 |
| Rangers..... | 134 | 260 | 158 | 241 | 168 | 93 | 72 | 82 | 122 | 46 | 102 | 57 | 141 | 87 |
| Public..... | 397 | 667 | 547 | 809 | 699 | 423 | 400 | 530 | 654 | 356 | 864 | 509 | 753 | 769 |

SIZE

| | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 |
|-------------------------|-------|-------|-------|------|------|-------|------|-------|-------|------|-------|------|------|-------|
| 1/4 acre..... | 211 | 490 | 412 | 571 | 574 | 260 | 329 | 391 | 500 | 354 | 846 | 395 | 575 | 490 |
| 1/4-5 acres..... | 457 | 784 | 626 | 894 | 811 | 426 | 383 | 516 | 719 | 392 | 1,004 | 456 | 741 | 753 |
| 5-10 acres..... | 75 | 129 | 97 | 155 | 122 | 92 | 45 | 65 | 102 | 36 | 120 | 46 | 120 | 108 |
| 10-100 acres..... | 159 | 233 | 177 | 285 | 242 | 155 | 115 | 103 | 146 | 81 | 188 | 66 | 187 | 178 |
| 100-500 acres..... | 43 | 78 | 50 | 74 | 61 | 43 | 21 | 16 | 33 | 9 | 52 | 26 | 37 | 20 |
| 500-1,000 acres..... | 11 | 13 | 12 | 24 | 16 | 3 | 5 | 3 | 7 | 2 | 16 | 4 | 7 | 4 |
| 1,000-10,000 acres..... | 10 | 12 | 19 | 24 | 7 | 6 | 4 | 1 | 13 | 5 | 18 | 21 | 3 | 5 |
| Over 10,000 acres..... | ..... | ..... | ..... | 9 | 1 | ..... | 2 | ..... | ..... | 2 | 8 | 3 | 1 | ..... |

AVERAGE SIZE (Acres).....

| | | | | | | | | | | | | | |
|----|----|----|-----|----|----|-----|----|----|----|-----|-----|----|----|
| 47 | 44 | 60 | 500 | 33 | 37 | 112 | 11 | 39 | 62 | 176 | 222 | 28 | 24 |
|----|----|----|-----|----|----|-----|----|----|----|-----|-----|----|----|

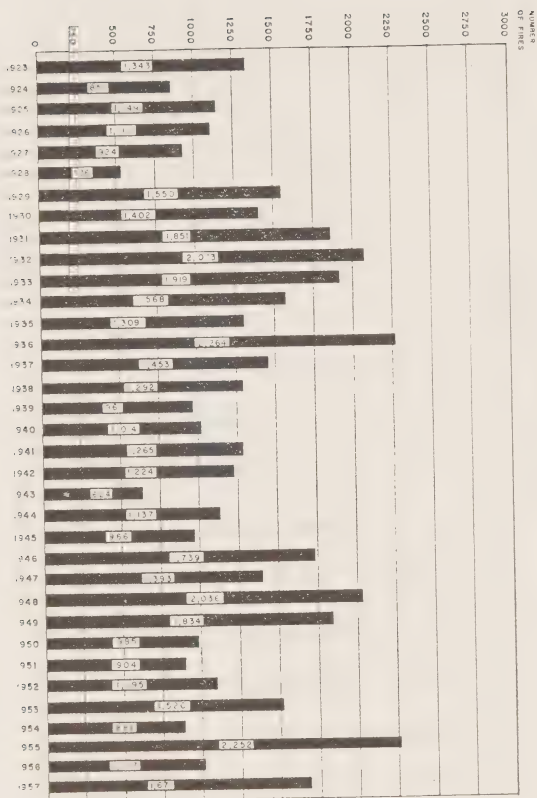
1958 FOREST FIRES

| DISTRICT | ACRES BURNED | NUMBER OF FIRES | AVERAGE ACREAGE |
|-----------------------|-----------------|--------------------|--------------------|
| Chapleau..... | 5,319 | 21 | 251 |
| Cochrane..... | 463 | 22 | 21 |
| Fort Frances..... | 594 | 61 | 10 |
| Geraldton..... | 255 | 35 | 7 |
| Gogama..... | 42 | 28 | 2 |
| Kapuskasing..... | 4,538 | 23 | 197 |
| Kemptville..... | .... | .... | .... |
| Kenora..... | 945 | 146 | 6 |
| Lake Erie..... | .... | .... | .... |
| Lake Huron..... | 12 | 15 | 1 |
| Lake Simcoe..... | 6 | 14 | ½ |
| Lindsay..... | 462 | 71 | 7 |
| North Bay..... | 808 | 107 | 8 |
| Parry Sound..... | 817 | 208 | 4 |
| Pembroke..... | 623 | 96 | 6 |
| Port Arthur..... | 12,253 | 116 | 106 |
| Sault Ste. Marie..... | 435 | 102 | 4 |
| Sioux Lookout..... | 1,048 | 45 | 23 |
| Sudbury..... | 6,541 | 292 | 22 |
| Swastika..... | 423 | 24 | 18 |
| Tweed..... | 790 | 105 | 8 |
| White River..... | 298 | 27 | 11 |

MONTHS

| | | | |
|----------------|--------|-------|----|
| April..... | 5,577 | 413 | 13 |
| May..... | 26,381 | 411 | 64 |
| June..... | 3,626 | 198 | 18 |
| July..... | 90 | 69 | 1 |
| August..... | 920 | 403 | 2 |
| September..... | 18 | 37 | ½ |
| October..... | 15 | 12 | 1 |
| November..... | 25 | 15 | 2 |
| TOTAL..... | 36,652 | 1,558 | 24 |

FOREST FIRES IN ONTARIO FROM 1923 TO 1957



DISTRIBUTION OF MAJOR EQUIPMENT AS OF 31st MARCH, 1958

| Districts Regions Division (H.O.) | Portable Pumps | Blan- kets | Tents | Eider- downs | Binocu- lars | Canoes | Boats | Outboard Motors | Inb. Motor Boats | Trucks and Autos | Trailers | Tractors | Rlwy. Motor Cars | Snow- mobiles | Barges | Hose 000's Feet | Veloci- pedes |
|---|-------------------|---------------|--------|-----------------|-----------------|--------|-------|--------------------|------------------------|------------------------|----------|----------|------------------------|------------------|--------|-----------------------|------------------|
| Chapleau..... | 47 | 735 | 1,634 | 133 | 33 | 26 | 56 | 11 | 31 | 24 | 5 | 5 | .. | .. | .. | 131 | .. |
| Cochrane..... | 61 | 735 | 1,856 | 122 | 84 | 36 | 59 | 13 | 38 | 38 | 8 | 5 | .. | .. | .. | 240 | .. |
| Fort Frances... | 48 | 122 | 1,555 | 71 | 87 | 16 | 52 | 18 | 38 | 30 | 4 | 5 | .. | .. | .. | 119 | .. |
| Geraldton..... | 118 | 560 | 2,259 | 180 | 73 | 24 | 64 | 9 | 28 | 34 | 5 | 4 | .. | .. | .. | 261 | 5 |
| Gogama..... | 36 | 353 | 1,055 | 77 | 36 | 18 | 55 | 9 | 21 | 20 | 6 | 3 | .. | .. | .. | 141 | .. |
| Kapuskasing... | 47 | 523 | 1,651 | 110 | 60 | 33 | 60 | 7 | 31 | 30 | 1 | 4 | .. | .. | .. | 139 | 9 |
| Kemptville.... | 12 | 83 | 6 | 5 | 7 | 11 | 1 | 22 | 19 | 1 | 5 | 11 | .. | .. | .. | 21 | .. |
| Kenora..... | 72 | 178 | 936 | 106 | 62 | 27 | 63 | 29 | 47 | 38 | 5 | 2 | .. | .. | 1 | 236 | .. |
| Aylmer..... | 7 | 84 | 14 | ... | 7 | 24 | 4 | 10 | 11 | 34 | 16 | 11 | .. | .. | .. | 17 | .. |
| Hesper..... | 8 | 144 | 4 | 4 | 9 | 23 | 2 | 13 | 12 | 47 | 21 | 10 | .. | .. | .. | 24 | .. |
| Maple..... | 17 | 233 | 366 | 15 | 7 | 25 | 4 | 19 | 20 | 50 | 18 | 19 | .. | .. | .. | 40 | .. |
| Lindsay..... | 36 | 175 | 591 | 36 | 34 | 26 | 30 | 37 | 28 | 47 | 16 | 15 | .. | .. | .. | 100 | .. |
| North Bay.... | 45 | 198 | 785 | 114 | 108 | 36 | 76 | 31 | 43 | 45 | 5 | 4 | .. | .. | .. | 135 | .. |
| Parry Sound... | 48 | 207 | 1,240 | 54 | 55 | 33 | 51 | 43 | 54 | 41 | 9 | 3 | .. | .. | .. | 103 | 3 |
| Pembroke..... | 39 | 371 | 1,351 | 100 | 111 | 22 | 95 | 23 | 69 | 52 | 10 | 11 | .. | .. | .. | 121 | 1 |
| Port Arthur... | 64 | 434 | 1,449 | 159 | 60 | 30 | 51 | 17 | 31 | 47 | 9 | 8 | .. | .. | .. | 155 | .. |
| Sault Ste. Marie | 64 | 763 | 3,637 | 209 | 67 | 25 | 55 | 11 | 28 | 54 | 7 | 9 | .. | .. | .. | 216 | 1 |
| Sioux Lookout. | 107 | 465 | 1,671 | 165 | 63 | 23 | 59 | 11 | 41 | 25 | 5 | 3 | .. | .. | .. | 294 | 3 |
| Sudbury..... | 62 | 193 | 2,053 | 128 | 44 | 31 | 59 | 25 | 42 | 45 | 5 | 7 | .. | .. | 2 | 317 | .. |
| Swastika..... | 48 | 359 | 708 | 99 | 97 | 20 | 35 | 23 | 23 | 30 | 13 | 4 | .. | .. | .. | 141 | .. |
| Tweed..... | 45 | 395 | 391 | 44 | 60 | 37 | 13 | 59 | 46 | 43 | 20 | 3 | .. | .. | .. | 87 | .. |
| White River... | 51 | 274 | 715 | 101 | 48 | 17 | 57 | 7 | 21 | 18 | 5 | 2 | .. | .. | .. | 118 | 2 |
| CENTRAL..... | 54 | 513 | 845 | 63 | 5 | ... | ... | 1 | 1 | ... | ... | ... | .. | .. | .. | 211 | .. |
| SOUTH-CENTRAL | 30 | 131 | 894 | 77 | 2 | ... | 1 | ... | ... | ... | ... | 1 | .. | .. | .. | 88 | .. |
| MID-WESTERN. | 13 | 87 | 140 | 6 | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | .. | 100 | .. |
| WESTERN..... | 20 | 139 | 458 | 14 | 2 | ... | ... | ... | ... | ... | ... | 1 | .. | .. | .. | 82 | .. |
| NORTHERN.... | 36 | 230 | 1,000 | 71 | ... | ... | ... | ... | ... | ... | ... | ... | .. | .. | .. | 109 | .. |
| SOUTH-EASTERN | ... | ... | ... | ... | 2 | ... | ... | ... | 1 | ... | ... | ... | .. | .. | .. | ... | .. |
| Ranger School. | 9 | 28 | 954 | 6 | 2 | 3 | 19 | 5 | 4 | 2 | ... | 1 | .. | .. | .. | 13 | .. |
| Air Service.... | .... | .... | 206 | 2 | 120 | ... | 9 | 13 | 8 | 7 | ... | 3 | .. | .. | 1 | ... | .. |
| Research..... | 4 | .... | 80 | 77 | 98 | 13 | 7 | 9 | 1 | 34 | 4 | 5 | .. | .. | .. | 2 | .. |
| Head Office.... | 7 | .... | .... | 90 | 154 | 36 | 15 | 18 | 29 | 15 | 3 | 3 | .. | .. | 2 | .... | .. |
| TOTAL.. | 1,255 | 8,712 | 29,505 | 2,438 | 1,597 | 615 | 1,052 | 493 | 800 | 861 | 205 | 312 | 44 | 14 | 6 | 3,890 | 24 |

MAJOR EQUIPMENT (AS OF 31st MARCH)

| | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Portable Power Pumps..... | 634 | 697 | 710 | 729 | 795 | 838 | 896 | 976 | 1,029 | 1,062 | 1,097 | 1,218 | 1,215 | 1,255 |
| Portable Hand Pumps..... | 3,467 | 3,556 | 3,656 | 4,141 | 4,309 | 4,622 | 5,717 | 6,154 | 6,206 | 6,406 | 6,362 | 7,907 | 7,899 | 8,712 |
| Hose (000's Feet)..... | 1,902 | 1,752 | 1,838 | 1,922 | 2,110 | 2,148 | 2,144 | 2,266 | 2,743 | 2,826 | 2,714 | 3,319 | 3,312 | 3,890 |
| Tents..... | 1,274 | 1,272 | 1,267 | 1,321 | 1,558 | 1,611 | 1,567 | 1,698 | 1,841 | 2,030 | 1,997 | 2,376 | 2,469 | 2,438 |
| Riderdowns..... | | | | | | | | | | | 1,365 | 1,506 | 1,538 | 1,597 |
| Blankets..... | 21,122 | 20,911 | 22,302 | 24,928 | 25,670 | 24,840 | 24,104 | 24,816 | 27,966 | 30,314 | 32,668 | 31,582 | 29,288 | 29,505 |
| Binoculars..... | 170 | 259 | 167 | 229 | 325 | 369 | 382 | 445 | 556 | 575 | 573 | 642 | 609 | 615 |
| Canoes..... | 987 | 986 | 977 | 1,044 | 1,041 | 1,051 | 1,003 | 1,084 | 1,142 | 1,061 | 1,114 | 1,087 | 1,073 | 1,052 |
| Boats (Outboard)..... | | | | | | | 231 | 278 | 373 | 379 | 418 | 434 | 459 | 493 |
| Motors (Outboard)..... | 248 | 247 | 265 | 363 | 438 | 476 | 501 | 552 | 648 | 690 | 752 | 771 | 771 | 800 |
| Boats (Inboard)..... | 47 | 47 | 48 | 57 | 61 | 60 | 57 | 63 | 63 | 61 | 55 | 64 | 60 | 59 |
| Barges and Scows..... | | | | | | | | | | | | | 4 | 6 |
| Trucks and Autos..... | 128 | 130 | 140 | 201 | 279 | 318 | 400 | 491 | 666 | 730 | 715 | 786 | 751 | 861 |
| Trailers..... | | | | | | | | | | | 107 | 141 | 166 | 205 |
| Tractors..... | | | | | | | | 50 | 73 | 93 | 101 | 121 | 134 | 312 |
| Railway Motor Cars..... | 48 | 49 | 49 | 47 | 47 | 46 | 44 | 44 | 50 | 49 | 45 | 47 | 46 | 44 |
| Velocipedes..... | 83 | 76 | 73 | 61 | 50 | 35 | | | | | | | 24 | 24 |
| Snowmobiles..... | | | | | | | | | | | | | 7 | 14 |
| Radio Sets, Stations..... | 206 | 245 | 252 | 279 | 285 | 310 | 347 | 397 | 613 | 686 | 801 | 825 | 899 | 1,047 |

MAJOR IMPROVEMENTS (COMPLETED AS OF 31st MARCH)

| | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 |
|------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Cabins..... | 527 | 538 | 547 | 561 | 537 | 514 | 534 | 555 | 525 | 508 | 489 | 511 | 512 | 547 |
| Storehouses..... | 136 | 144 | 152 | 150 | 149 | 150 | 134 | 135 | 138 | 143 | 144 | 146 | 189 | 195 |
| Boathouses..... | 43 | 59 | 60 | 61 | 56 | 63 | 68 | 67 | 72 | 74 | 82 | 83 | 85 | 80 |
| Store and Boat Houses..... | 36 | 27 | 27 | 14 | 17 | 15 | 18 | 18 | 24 | 17 | 24 | 26 | 24 | 24 |
| Bunkhouses..... | 77 | 63 | 62 | 64 | 57 | 60 | 58 | 60 | 68 | 64 | 65 | 88 | 95 | 102 |
| Offices..... | 29 | 32 | 36 | 36 | 39 | 46 | 54 | 52 | 52 | 61 | 61 | 62 | 72 | 82 |
| Garages, Carhouses..... | 88 | 87 | 89 | 92 | 99 | 93 | 106 | 104 | 114 | 139 | 182 | 208 | 247 | 238 |
| Other Buildings..... | 200 | 213 | 213 | 220 | 269 | 232 | 266 | 280 | 325 | 309 | 391 | 365 | 451 | 532 |
| Hose Towers..... | 55 | 53 | 63 | 51 | 62 | 58 | 49 | 41 | 51 | 33 | 30 | 32 | 36 | 36 |
| Wooden Towers..... | 62 | 63 | 52 | 56 | 52 | 39 | 36 | 32 | 32 | 20 | 19 | 18 | 16 | 9 |
| Steel Towers..... | 225 | 227 | 227 | 234 | 230 | 231 | 271 | 281 | 279 | 279 | 280 | 288 | 292 | 302 |
| Telephone Lines (miles)..... | 4,727 | 4,455 | 3,740 | 3,956 | 3,769 | 3,775 | 3,651 | 3,567 | 3,420 | 3,061 | 2,810 | 2,669 | 2,216 | 2,316 |

| YEAR | FIRE PERMITS | WORK PERMITS | | TRAVEL PERMITS | |
|-----------|-----------------|--------------|--------|----------------|---------|
| | | Permits | Men | Permits | Persons |
| 1925..... | 11,962 | ..... | ..... | ..... | ..... |
| 1926..... | 13,466 | ..... | ..... | ..... | ..... |
| 1927..... | 13,593 | ..... | ..... | 6,548 | 15,669 |
| 1928..... | 13,611 | ..... | ..... | 15,406 | 42,566 |
| 1929..... | 14,038 | ..... | ..... | 20,738 | 51,443 |
| 1930..... | 15,094 | ..... | ..... | 36,799 | 91,457 |
| 1931..... | 27,031 | 3,642 | 27,078 | 48,593 | 135,975 |
| 1932..... | 23,187 | 3,626 | 23,186 | 46,753 | 132,783 |
| 1933..... | 26,922 | 5,464 | 33,474 | 14,161 | 35,921 |
| 1934..... | 20,962 | 6,029 | 56,405 | 12,178 | 30,162 |
| 1935..... | 18,988 | ..... | ..... | 9,774 | 28,606 |
| 1936..... | 18,964 | ..... | ..... | 8,447 | 26,564 |
| 1937..... | 15,400 | 4,434 | 57,978 | 8,947 | 28,946 |
| 1938..... | 15,035 | 4,106 | 44,882 | 12,216 | 38,952 |
| 1939..... | 15,565 | 3,686 | 48,208 | 12,707 | 40,446 |
| 1940..... | 14,522 | 2,684 | 46,727 | 10,162 | 33,350 |
| 1941..... | 7,833 | 2,251 | 46,079 | 11,353 | 36,315 |
| 1942..... | 8,542 | 1,826 | 40,194 | 8,358 | 24,725 |
| 1943..... | 5,242 | 2,272 | 34,440 | 11,004 | 28,567 |
| 1944..... | 5,106 | 2,173 | 34,927 | 13,510 | 41,569 |
| 1945..... | 5,764 | 2,799 | 47,280 | 20,393 | 70,085 |
| 1946..... | 8,940 | 3,496 | 67,346 | 35,794 | 112,191 |
| 1947..... | 7,925 | 3,491 | 61,140 | 51,187 | 146,185 |
| 1948..... | 9,237 | 3,030 | 51,736 | 61,384 | 194,617 |
| 1949..... | 11,546 | 3,168 | 47,465 | 90,206 | 256,320 |
| 1950..... | 9,357 | 3,753 | 57,581 | 86,975 | 323,870 |
| 1951..... | 9,647 | 4,130 | 65,762 | 114,998 | 422,938 |
| 1952..... | 11,764 | 3,971 | 55,882 | 124,193 | 455,979 |
| 1953..... | 14,189 | 3,585 | 49,387 | 146,481 | 506,703 |
| 1954..... | 12,315 | 3,496 | 67,346 | 113,971 | 408,018 |
| 1955..... | 14,803 | 3,668 | 76,703 | 211,724 | 717,542 |
| 1956..... | 14,142 | 3,939 | 62,469 | 181,396 | 608,138 |
| 1957..... | 12,778 | 3,095 | 55,227 | 118,690 | 427,834 |

AIR SERVICE BRANCH BASE OPENING DATES (or First Float Flying)

| BASE | 1933 | 1934 | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | 1941 | 1942 | 1943 | 1944 | 1945 |
|---------------------|----------|----------|--------|---------|----------|----------|----------|--------|----------|----------|--------|----------|----------|
| Algonquin Park.... | 29 April | 4 May | 1 May | 4 May | 3 May | 6 May | 7 May | 5 May | 21 April | 26 April | 8 May | 3 May | 26 April |
| Caribou Lake..... | 27 May | 25 May | 21 May | 24 May | 17 May | 24 May | 15 May | 19 May | 10 May | 5 May | 5 June | 19 May | 12 May |
| Biscotasing..... | 15 May | 14 May | 14 May | 14 May | 8 May | 2 May | 12 May | 7 May | 2 May | 27 April | 17 May | 7 May | 26 April |
| Fort Frances..... | ..... | 15 May | 3 May | 19 May | 13 May | 11 May | 11 May | 15 May | 2 May | 29 April | 12 May | 15 May | 27 April |
| Geraldton..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 14 May | ..... |
| Goose Island..... | 16 May | 20 May | 17 May | 19 May | 25 May | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Ignace..... | 3 July | 16 May | 15 May | 19 May | 17 May | 14 May | 12 May | 18 May | 1 May | 29 April | 18 May | 19 May | 12 May |
| Kenora..... | 10 May | 11 May | 10 May | 18 May | 15 May | 12 May | 9 May | 15 May | 30 April | 29 April | 12 May | 20 May | 10 May |
| Oba Lake..... | 16 May | 19 May | 20 May | 24 May | 7 May | 9 May | 16 May | 22 May | 13 May | 1 May | 18 May | 17 May | 5 May |
| Orient Bay..... | 10 June | 26 May | 23 May | 24 May | 10 May | 14 May | 19 May | 28 May | 12 May | 8 July | 28 May | 23 May | 23 May |
| Pays Plat..... | ..... | ..... | ..... | ..... | ..... | ..... | 14 May | 9 May | 1 May | 4 May | 11 May | 8 May | 9 May |
| Pickle Lake..... | ..... | ..... | ..... | 28 May | 27 May | 18 May | 29 May | 24 May | 14 May | ..... | ..... | ..... | ..... |
| Port Arthur..... | 6 May | 12 May | 3 May | 15 May | 27 April | 14 May | 12 May | 9 May | 1 May | 29 April | 11 May | 16 May | 2 May |
| Red Lake..... | ..... | ..... | ..... | ..... | ..... | 16 May | 13 May | 23 May | 10 May | 4 May | 22 May | 19 May | 10 May |
| Remi Lake..... | ..... | 25 May | 23 May | 1 June | 14 May | 16 May | 22 May | 29 May | 17 May | 5 May | 21 May | 17 May | 3 May |
| Sault Ste. Marie... | 21 April | 24 April | 2 May | 1 April | ..... | 21 April | 28 April | 2 May | ..... | 24 April | 10 May | 27 April | 10 April |
| Sioux Lookout..... | 10 May | 16 May | 16 May | 18 May | 13 May | 5 May | 11 May | 18 May | 1 May | 29 April | 17 May | 15 May | 10 May |
| Sudbury..... | 3 May | 8 May | 2 May | 8 May | 4 May | 30 April | 5 May | 4 May | 30 April | 29 April | 7 May | 8 May | 1 May |
| Temagami..... | ..... | ..... | ..... | ..... | ..... | 3 May | 13 May | 7 May | 3 May | 29 April | 18 May | 8 May | 20 April |
| Twin Lakes..... | 14 May | 26 May | 21 May | 1 June | 18 May | 16 May | 18 May | 23 May | 12 May | 5 May | 19 May | 18 May | 12 May |
| Whitefish Lake.... | 15 May | 19 May | 16 May | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |

AIR SERVICE BRANCH BASE OPENING DATES (or First Float Flying)—Cont'd

| BASE | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 |
|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Algonquin Park..... | 30 April | 8 May | 19 April | 2 April | 17 May | 29 April | 24 April | 21 April | 29 April | 21 April | 11 May | 25 April | 23 April |
| Carey Lake..... | 23 May | 3 June | 19 May | 9 May | 1 June | 21 May | 10 May | 15 May | 18 May | 30 April | 27 May | 7 May | 9 May |
| Caribou Lake..... | | | 8 May | 7 May | 16 May | 30 April | 8 May | 14 May | 27 May | 1 May | 1 June | 13 May | 15 May |
| Charleau..... | 22 April | 17 May | 28 April | 10 May | 20 May | | | 8 May | 4 May | 22 April | 14 May | 3 May | 24 April |
| Biscotasing..... | | | | | | | | | | | | | |
| Eya Lake..... | 27 April | 16 May | 8 May | 1 May | 20 May | 10 May | 30 April | 29 April | 17 May | 28 April | 16 May | 6 May | * |
| Fort Frances..... | 7 May | 20 May | 11 May | 30 April | 24 May | 7 May | 1 May | 4 May | 13 May | 27 April | 16 May | 29 April | 18 April |
| Geraldton..... | | | 14 May | 4 May | 20 May | 9 May | 5 May | 7 May | 18 May | 27 April | 17 May | 7 May | 5 May |
| Hogama..... | | | 27 April | 30 April | 8 May | 24 April | 23 April | 29 April | 3 May | 22 April | 14 May | 1 May | 28 April |
| Ignace..... | 1 May | 20 May | 10 May | 3 May | 22 May | 9 May | 1 May | 5 May | 18 May | 28 April | 16 May | 6 May | 2 May |
| Kenogami..... | | | | | | 10 May | 2 May | 7 May | 9 May | 26 April | 22 May | 10 May | 4 May |
| Kenora..... | 14 May | 20 May | 8 May | | 22 May | 10 May | 1 May | 7 May | 18 May | 27 April | 17 May | 6 May | 15 April |
| Lauzon Lake..... | | | | | | | | 18 April | 28 April | 19 April | 7 May | 29 April | 17 April |
| Nym Lake..... | | | | | | | | | | | | | 2 May |
| Oba Lake..... | 7 May | 27 May | 5 May | 10 May | 8 May | | 8 May | 10 May | 15 May | 28 April | 16 May | 9 May | 4 May |
| Orient Bay..... | 7 May | 12 June | 18 May | 12 May | 23 May | 16 May | 7 May | 8 May | 21 May | 1 May | 1 June | 13 May | ** |
| Parry Sound..... | | 6 May | 12 May | 13 April | 27 April | 17 April | 23 April | 30 Mar. | 11 May | 18 April | 3 May | 28 April | 21 April |
| Pays Plat..... | 30 April | 14 May | 8 May | 7 May | 18 May | 8 May | 2 May | 6 May | 20 May | 4 May | 15 May | 6 May | 2 May |
| Pickle Lake..... | 26 May | 2 June | 18 May | 9 May | 3 June | 17 May | 7 May | 13 May | 2 June | 6 May | 1 June | 13 May | 16 May |
| Port Arthur..... | 30 April | 16 May | 3 May | 30 April | 19 May | 2 May | 22 April | 30 April | 7 May | 22 April | 30 April | 29 April | 30 April |
| Red Lake..... | | | | | | | | | | | | | |
| Remi Lake..... | 7 May | 26 May | 13 May | 3 May | 29 May | 15 May | 3 May | 8 May | 21 May | 28 April | 19 May | 9 May | 2 May |
| Sault Ste. Marie..... | 15 May | 2 June | 10 May | 4 May | 23 May | 3 May | 2 May | 13 May | 13 April | 29 April | 21 May | 6 May | 7 May |
| Sioux Lookout..... | 11 April | 30 April | 14 April | 7 April | 6 April | 9 April | 7 April | 27 Mar. | 13 April | 19 April | 3 May | 29 April | 26 Mar. |
| South Porcupine..... | 3 May | 20 May | 20 May | 1 May | 27 May | 12 May | 3 May | 7 May | 5 May | 27 April | 15 May | 10 May | 1 May |
| Sudbury..... | | 27 May | 1 May | 3 May | 19 May | 30 April | 1 May | 5 May | 2 May | 27 April | 15 May | 6 May | 2 May |
| Temagami..... | 13 April | 14 May | 27 April | 25 April | 12 April | 25 April | 28 April | 20 April | 29 April | 19 April | 9 May | 1 May | 18 April |
| Tweed..... | 23 April | 17 May | 27 April | 20 April | 15 May | 1 May | 1 May | 28 April | 4 May | 26 April | 17 May | 3 May | 2 May |
| Twin Lakes..... | | | | | | | | | | | | | |
| White River..... | 22 May | 8 June | 14 May | 14 May | 30 May | 1 May | 16 May | 13 May | 22 May | 6 May | 17 June | 28 April | 18 April |
| | | | | | | | | 11 May | 18 May | 29 April | 21 May | 10 May | 2 May |

**Moved to Port Arthur

*Moved to Nym Lake

TORONTO: Continual operation except December.

FLYING TIME—PILOTS

| PILOTS | | 1924-57 | 1957-58 | TOTAL |
|-------------------|-----|------------|-----------|------------|
| Allen..... | DW | 1,422:35 | 302:05 | 1,724:40 |
| Beaushene... | GD | 1,825:20 | 261:30 | 2,086:50 |
| Ballantyne... | DE | 383:30 | 261:35 | 645:05 |
| Burt..... | AE | 6,101:10 | 403:05 | 6,504:15 |
| Buckworth... | WB | 3,019:15 | ..... | 3,019:15 |
| Calver..... | DRH | 1,456:05 | 315:05 | 1,771:10 |
| Campbell.... | GE | 2,104:50 | 625:15 | 2,730:05 |
| Colfer..... | AP | 3,124:25 | 636:00 | 3,760:25 |
| Cooke..... | TC | 4,557:45 | 462:25 | 5,020:10 |
| Croft..... | BR | ..... | 37:10 | 37:10 |
| Cram..... | WW | ..... | 46:00 | 46:00 |
| Culliton..... | JP | 3,906:45 | 47:30 | 3,954:15 |
| Denley..... | JG | 5,679:10 | 397:15 | 6,076:25 |
| Dyck..... | EG | ..... | 98:30 | 98:30 |
| Evans..... | FB | 2,929:00 | 305:50 | 3,234:50 |
| Fiskar..... | UW | 2,352:50 | 70:05 | 2,422:55 |
| Freeman..... | N | ..... | 31:30 | 31:30 |
| Glennie..... | NA | 721:50 | 254:20 | 976:10 |
| Hoar..... | HA | 1,982:00 | 295:20 | 2,277:20 |
| Hoeberg..... | PS | 1,525:20 | 328:30 | 1,853:50 |
| Hugill..... | WA | 1,075:30 | 286:20 | 1,361:50 |
| James..... | FC | 523:35 | 231:20 | 754:55 |
| Kincaid..... | J | 5,268:15 | 515:55 | 5,784:10 |
| Kirk..... | CJ | 3,033:55 | 335:10 | 3,369:05 |
| Krag..... | BW | 95:05 | 234:20 | 329:25 |
| Lamont..... | JA | 2,190:45 | 285:50 | 2,476:35 |
| LeFeuvre.... | CJ | 7,058:45 | 486:10 | 7,526:55 |
| Lowe..... | B | 207:30 | 292:35 | 500:05 |
| MacDougall.. | FA | 4,665:00 | 128:15 | 4,793:15 |
| McNally..... | HD | 66:20 | 194:35 | 260:55 |
| Parsons..... | R | 6,288:15 | 290:00 | 6,578:15 |
| Ponsford.... | GE | 1,279:45 | 55:45 | 1,335:30 |
| Poulin..... | LD | 6,892:05 | 427:05 | 7,319:10 |
| Reid..... | DM | 3,488:35 | 211:40 | 3,700:15 |
| Seigel..... | J | 3,762:00 | 287:40 | 4,049:40 |
| Speight..... | HC | 5,057:50 | 479:55 | 5,537:45 |
| Stone..... | RWE | 3,717:45 | 519:00 | 4,236:45 |
| Smith..... | AB | 5,706:50 | 359:40 | 6,066:30 |
| Stewart..... | AL | 407:15 | 404:15 | 811:30 |
| Taylor..... | JM | 3,183:50 | 83:40 | 3,267:30 |
| Turcotte.... | LG | ..... | 255:00 | 255:00 |
| Thompson... | FJ | 1,441:35 | 272:55 | 1,714:30 |
| Trussler.... | GE | 6,249:55 | 248:05 | 6,498:00 |
| Thomas..... | E | 2,106:25 | 460:10 | 2,566:35 |
| Other Pilots..... | | 163,138:20 | ..... | 163,138:20 |
| | | 279,996:55 | 12,506:20 | 292,503:15 |

FLYING TIME—AIRCRAFT

| AIRCRAFT | 1924-57 | 1957-58 | TOTAL |
|-----------------------|------------|-----------|------------|
| BEAVER | | | |
| CF-OBS..... | 3,460:30 | 396:40 | 3,857:10 |
| CF-OBT..... | 2,886:20 | 433:50 | 3,320:10 |
| CF-OBV..... | 2,896:25 | 239:50 | 3,136:15 |
| CF-OBV..... | 3,266:05 | 289:50 | 3,555:55 |
| CF-OBW..... | 2,826:00 | 173:25 | 2,999:25 |
| CF-OBX..... | 3,071:25 | 268:50 | 3,340:15 |
| CF-OBZ..... | 3,072:20 | 380:40 | 3,453:00 |
| CF-OBZ..... | 2,835:55 | 625:15 | 3,461:10 |
| CF-OCA..... | 2,573:10 | 213:05 | 2,786:15 |
| CF-OCB..... | 3,130:35 | 358:00 | 3,488:35 |
| CF-OCC..... | 2,735:45 | 288:00 | 3,023:45 |
| CF-OCB..... | 2,461:10 | 307:15 | 2,768:25 |
| CF-OCF..... | 3,121:15 | 290:30 | 3,411:45 |
| CF-OCG..... | 2,340:40 | 251:55 | 2,592:35 |
| CF-OCB..... | 2,369:30 | 251:25 | 2,620:55 |
| CF-OCJ..... | 2,051:40 | 255:05 | 2,306:45 |
| CF-OCK..... | 2,544:10 | 284:05 | 2,828:15 |
| CF-OCL..... | 2,539:15 | 246:30 | 2,785:45 |
| CF-OCN..... | 2,878:35 | 304:25 | 3,183:00 |
| CF-OCO..... | 2,294:15 | 494:55 | 2,789:10 |
| CF-OCB..... | 2,292:00 | 272:40 | 2,564:40 |
| CF-OCQ..... | 3,240:05 | 195:25 | 3,435:30 |
| CF-OCR..... | 2,811:35 | 156:30 | 2,968:05 |
| CF-OCS..... | 3,080:50 | 303:20 | 3,384:15 |
| CF-OCT..... | 2,264:00 | 147:30 | 2,411:30 |
| CF-OCU..... | 2,517:25 | 252:15 | 2,769:40 |
| CF-OCV..... | 2,012:55 | 258:10 | 2,271:05 |
| CF-OCX..... | 1,996:35 | 285:20 | 2,281:55 |
| CF-OCY..... | 2,078:15 | 239:55 | 2,318:10 |
| CF-OCZ..... | 1,606:05 | 190:55 | 1,797:00 |
| CF-ODA..... | 1,676:45 | 245:55 | 1,922:40 |
| CF-ODB..... | 2,266:40 | 322:15 | 2,588:55 |
| CF-ODC..... | 2,627:15 | 268:50 | 2,896:05 |
| CF-ODD..... | 586:10 | 60:10 | 646:20 |
| CF-ODE..... | 1,150:40 | 273:55 | 1,424:35 |
| CF-ODF..... | 1,844:25 | 416:45 | 2,261:10 |
| CF-ODG..... | 1,610:25 | 457:55 | 2,068:20 |
| CF-ODO..... | 154:10 | 137:55 | 292:05 |
| CF-ODS..... | 3:35 | 69:40 | 73:15 |
| OTTER | | | |
| CF-ODJ..... | 1,034:00 | 84:05 | 1,118:05 |
| CF-ODK..... | 1,508:20 | 18:00 | 1,526:20 |
| CF-ODL..... | 1,016:45 | 262:20 | 1,279:05 |
| CF-ODP..... | 188:40 | 229:15 | 417:55 |
| CF-ODQ..... | 244:25 | 339:05 | 583:30 |
| CF-ODT..... | ..... | 377:00 | 377:00 |
| WIDGEON | | | |
| CF-ODR..... | 172:40 | 287:45 | 460:25 |
| All Other Aircraft... | 183,716:10 | ..... | 183,716:10 |
| | 279,055:50 | 12,506:20 | 291,562:10 |

AIR SERVICE BRANCH
(Summary as of 31st March)

| Year | Passengers Carried | Personnel Carried | Total Carried | Effective Load Carried | | Total Hours Flown |
|-----------|-----------------------|----------------------|------------------|---------------------------|-------|-------------------------|
| | | | | Tons | Lbs. | |
| 1924-49.. | 165,583 | 89,206 | 254,789 | 22,233 | 1,067 | 175,289.40 |
| 1950.... | 30,687 | 5,918 | 36,605 | 3,432 | 76 | 13,530.45 |
| 1951.... | 27,140 | 5,140 | 32,280 | 3,366 | 1,111 | 11,057.10 |
| 1952.... | 30,439 | 5,410 | 35,849 | 3,163 | 1,616 | 12,800.20 |
| 1953.... | 25,900 | 5,346 | 31,246 | 3,078 | 1,262 | 11,888.50 |
| 1954.... | 31,109 | 7,245 | 38,354 | 3,918 | 605 | 13,564.10 |
| 1955.... | 29,256 | 5,465 | 34,721 | 3,428 | 1,641 | 12,388.30 |
| 1956.... | 46,478 | 6,723 | 53,201 | 6,091 | 893 | 17,785.10 |
| 1957.... | 28,789 | 5,099 | 33,888 | 3,481 | 708 | 11,692.20 |
| 1958.... | 28,636 | 5,349 | 33,985 | 3,497 | 914 | 12,506.20 |
| 1924-58.. | 444,017 | 140,901 | 584,918 | 61,741 | 1,893 | 292,503.15 |

DIVISION OF OPERATIONS

When reorganization of the Department was decided upon in May, 1941, the plan included two Service Divisions, one of which (Accounts Branch) already existed, and the other, a new Division, to service the others by taking responsibility for enlistment of staff, purchase of supplies and equipment, allocation of space, promotions, distribution and pay of personnel and the operation of the central basic records system and messenger service. Placing these matters under one cover relieved the other Divisions and left them free to concentrate on primary responsibilities.

The Chief of the new Service Division was transferred from the Department of Labour in the person of P. O. Rhynas to whom the development of the new Division was committed. The Division was set up in two main sections, Personnel and Office Management and Information and Education of the public. Later, it developed into four sections: 1. Personnel Management; 2. Office Management; 3. Information (press releases, literature including SYLVA, etc.) and 4. Education (lectures, motion pictures, exhibits, etc.). The Division was known as the Division of Operation and Personnel.

On December 1st, 1957, the Minister announced the appointment of two Assistant Deputy Ministers, J. S. Yoerger and G. H. U. Bayly, and certain Head Office Divisions would be consolidated. Thus, the Division of Operation and Personnel became the Division of Operations with Personnel becoming a section of the Department responsible to one Assistant Deputy Minister.

The welfare, training, promotion, distribution and maintenance of a staff as large and widely spread as that of the Department of Lands and Forests is a work of vital importance. To supply such a body with the essentials, places the work in the field of big business.

LECTURE TOURS

Number of Meetings and Attendance

| YEAR | SCHOOL | PUBLIC | DEPARTMENT TOTAL | C.F.A. |
|-----------|----------------------|------------------|---------------------|---------------|
| 1944..... | One Lecturer Started | | | |
| 1945..... | 65,886 | ..... | ..... | ..... |
| 1946..... | 423 53,913 | 198 | ..... | ..... |
| | | (48 7,389 Camps) | ..... | ..... |
| 1947..... | 405 50,990 | 377 | 782 | ..... |
| 1948..... | 780 101,360 | 752 | 1,532 | ..... |
| 1949..... | 876 89,020 | 655 | 1,531 | ..... |
| 1950..... | 827 93,895 | 629 | 1,456 | 20 1,511 |
| 1951..... | 675 80,411 | 913 | 1,588 | 401 83,566 |
| 1952..... | 702 50,900 | 1,246 | 1,948 | 1,241 128,052 |
| 1953..... | 721 53,679 | 1,223 | 1,944 | 1,141 185,552 |
| 1954..... | 1,196 89,835 | 1,546 | 2,742 | 611 119,312 |
| 1955..... | 1,143 92,381 | 1,526 | 2,669 | 792 100,650 |
| 1956..... | 1,076 90,540 | 1,402 | 2,478 | ..... |
| 1957..... | 1,261 93,672 | 1,710 | 2,971 | 703 56,394 |
| 1958..... | 972 67,013 | 1,708 | 2,680 | 674 68,758 |
| | | | | 538 68,832 |

C.F.A. means Canadian Forestry Association.

DIVISION OF PARKS

The Division of Parks was established October 1, 1954.

The Provincial Parks Act, 1954, was proclaimed on December 1, 1954. Section 1 (a) of the Act reads as follows:—" 'provincial park' includes provincial camp grounds, provincial picnic grounds and provincial camp and picnic grounds."

Provincial parks set up in the past have been established by statute, order-in-council, or by regulations made under the authority of a statute. New provincial parks are established by regulations made under The Provincial Parks Act, 1954.

The following is a list of the provincial parks, including provincial picnic grounds and provincial camp and picnic grounds, grouped under the administrative districts in which they are situated. The number of campers and the number of park visitors are for the year ending 31st December, 1958.

| Name of Established Provincial Park | No. of Campers | No. of Visitors | Date Established | Authority Under Which Established | Area of Park |
|--|-------------------|--------------------|---------------------|--------------------------------------|----------------|
| CHAPLEAU Five Mile Lake..... | ..... | ..... | 29 Sept. 1958 | Order-in-Council | 1,009.80 acres |
| COCHRANE Greenwater..... | ..... | ..... | 20 June 1957 | O. Reg. 144/57 | 16.5 sq. mls. |
| Kettle Lakes..... | 1,863 | 53,203 | 20 June 1957 | O. Reg. 144/57 | 3.6 sq. mls |

DIVISION OF PARKS—Continued

| Name of Established Provincial Park | No. of Campers | No. of Visitors | Date Established | Authority Under Which Established | Area of Park |
|--|-------------------|--------------------|---------------------|--------------------------------------|----------------|
| FORT FRANCES | | | | | |
| Quetico..... | 1,777 | 30,769 | 1 April 1909 | Order-in-Council | 1,795 sq. mls. |
| GOGAMA | | | | | |
| Ivanhoe..... | ..... | ..... | 20 June 1957 | O. Reg. 144/57 | 2 sq. mls. |
| KAPUSKASING | | | | | |
| Nagagamis..... | ..... | ..... | 20 June 1957 | O. Reg. 144/57 | 5.9 sq. mls. |
| Remi Lake Provincial Camp and Picnic Grounds..... | 811 | 24,025 | 20 June 1957 | O. Reg. 144/57 | 154 acres |
| KEMPTVILLE | | | | | |
| Silver Lake..... | 8,045 | 53,222 | 29 Sept. 1958 | Order-in-Council | 29.56 acres |
| KENORA | | | | | |
| Aaron..... | 2,104 | 12,491 | 29 Sept. 1958 | Order-in-Council | 124.27 acres |
| Rushing River..... | 7,833 | 42,955 | 29 Sept. 1958 | Order-in-Council | 96.31 acres |
| Sioux Narrows Provincial Camp and Picnic Grounds..... | 1,969 | 6,280 | 20 June 1957 | O. Reg. 144/57 | 284 acres |
| LAKE ERIE | | | | | |
| Clay Creek..... | ..... | ..... | 29 Sept. 1958 | Order-in-Council | 23.43 acres |
| Holiday Beach..... | ..... | 76,080 | 6 Oct. 1958 | Order-in-Council | 205.34 acres |
| Ipperwash..... | 19,686 | 198,002 | 24 June 1938 | Order-in-Council | 109 acres |
| John E. Pearce..... | ..... | ..... | 20 June 1957 | O. Reg. 144/57 | 28.88 acres |

| | | | | | |
|----------------------|--------|---------|---------------|---|----------------|
| Long Point..... | 10,610 | 72,157 | 3 May 1921 | Long Point Park Act, II Geo. V., Chap. 35.. | 126 acres |
| Pinery..... | ..... | ..... | 10 Oct. 1957 | O. Reg. 229/57 | 4,066 acres |
| Rock Point..... | ..... | ..... | 20 June 1957 | O. Reg. 144/57 | 42.41 acres |
| Rondeau..... | 12,823 | 692,453 | 5 May 1894 | Rondeau Prov. Park Act, 57 Vict., Chap. 15 | 8.6 sq. mls. |
| LAKE SIMCOE | | | | | |
| Bass Lake..... | 9,445 | 100,266 | 20 June 1957 | O. Reg. 144/57 | 85 acres |
| Sibbald Point..... | 19,566 | 153,879 | 19 Dec. 1957 | O. Reg. 280/57 | 495 acres |
| Six Mile Lake..... | ..... | ..... | 20 Feb. 1958 | Order-in-Council | 177 acres |
| Springwater..... | ..... | 190,679 | 29 Sept. 1958 | Order-in-Council | 116.91 acres |
| LINDSAY | | | | | |
| Emily..... | 2,505 | 25,113 | 20 June 1957 | O. Reg. 144/57 | 59 acres |
| Mark S. Burnham..... | ..... | ..... | 21 July 1955 | O. Reg. 148/55 | 100.88 acres |
| Presqu'ile..... | 18,005 | 243,368 | 18 May 1922 | Presqu'ile Park Act, 12 Geo. V., Chap. 39 | 420 acres |
| Serpent Mounds..... | 2,097 | 24,191 | 20 June 1957 | O. Reg. 144/57 | 70 acres |
| PEMBROKE | | | | | |
| Algonquin..... | 47,064 | 455,984 | 27 May 1893 | Algonquin National Park Act, 56 Vict., Chap. 8 | 2,766 sq. mls. |
| PORT ARTHUR | | | | | |
| Arrow Lake..... | ..... | ..... | 20 June 1957 | O. Reg. 144/57 | 100 acres |
| Inwood..... | 3,065 | 9,670 | 29 Sept. 1958 | Order-in-Council | 81.69 acres |
| Sibley..... | 2,727 | 46,768 | 13 Jan. 1944 | Order-in-Council | 63 sq. mls. |
| SAULT STE. MARIE | | | | | |
| Lake Superior..... | ..... | ..... | 13 Jan. 1944 | Order-in-Council | 540 sq. mls. |
| SUDBURY | | | | | |
| Fairbank..... | 864 | ..... | 20 June 1957 | O. Reg. 144/57 | 85 acres |

DIVISION OF PARKS—Continued

| Name of Established Provincial Park | No. of Campers | No. of Visitors | Date Established | Authority Under Which Established | Area of Park |
|--|-------------------|--------------------|---------------------|--------------------------------------|--------------|
| SWASTIKA | | | | | |
| Esker Lakes..... | 509 | 7,668 | 20 June 1957 | O. Reg. 144/57 | 12 sq. mls. |
| Kap-Kig-Iwan..... | ..... | ..... | 20 June 1957 | O. Reg. 144/57 | 603 acres |
| TWEED | | | | | |
| Black Lake..... | 3,288 | 10,621 | 29 Sept. 1958 | Order-in-Council | 23.7 acres |
| Lake on the Mountain Provin- cial Picnic Grounds..... | ..... | ..... | 20 June 1957 | O. Reg. 144/57 | 256 acres |

O. Reg. 148/55 appears in the August 6, 1955, publication of the Ontario Gazette.

O. Reg. 144/57 appears in the July 6, 1957, publication of the Ontario Gazette.

O. Reg. 229/57 appears in the October 26, 1957, publication of the Ontario Gazette.

O. Reg. 280/57 appears in the January 4, 1958, publication of the Ontario Gazette.

Since April 1, 1954, park picnic tables and fireplace grills have been placed in provincial parks. This equipment is fabricated in the various Reform Institutions throughout the Province. Labour supplied by the Department of Reform Institutions is being extensively used in park development.

All major park development is being carried out according to master plans prepared by technical personnel.

PARKS PENDING ESTABLISHMENT

As of 31st December, 1958

| District | Park | No. of Campers in 1958 | No. of Visitors in 1958 |
|------------------|---------------------|------------------------------|-------------------------------|
| Chapleau | Racine | ..... | ..... |
| Fort Frances | Lake of the Woods | | |
| | One Sided Lake | 2,830 | 8,940 |
| Geraldton | Helen Lake | 1,611 | ..... |
| | Klotz Lake | 1,500 | ..... |
| | MacLeod Lake | 638 | ..... |
| | Rosspoint | 277 | ..... |
| | Whitesand | 120 | ..... |
| Kemptville | Rideau River | 2,604 | 54,555 |
| | South Nation | 4,065 | 52,660 |
| Kenora | Blue Lake | 1,950 | 3,821 |
| | Twin Lake | 1,877 | 13,227 |
| Lake Erie | Port Bruce | ..... | ..... |
| | St. Williams | ..... | ..... |
| Lake Huron | Craigleith | 8,755 | 51,871 |
| | Inverhuron | ..... | ..... |
| | Sauble Falls | 9,807 | 116,812 |
| Lake Simcoe | Devils Glen | 2,395 | 25,262 |
| | Little Lake | ..... | ..... |
| Lindsay | Eels Creek | ..... | ..... |
| | Oshawa | ..... | ..... |
| North Bay | Antoine | 1,299 | 14,467 |
| | Finlayson Point | 3,726 | 4,725 |
| | Marten River | 11,961 | 15,681 |
| | Samuel de Champlain | ..... | ..... |
| Parry Sound | Eagle Lake | ..... | ..... |
| | Grundy Lake | 4,708 | 15,914 |
| | Oastler Lake | 11,884 | 67,666 |
| | Sturgeon Bay | 4,395 | 22,634 |
| Pembroke | Carson Lake | 3,428 | 3,588 |
| | Golden Lake | ..... | ..... |
| | Stonecliffe | 1,454 | 6,634 |
| Port Arthur | Kakabeka Falls | 2,467 | 70,370 |
| | Middle Falls | 2,651 | 30,048 |
| | Shebandown | ..... | ..... |
| | Shuniah | 1,414 | 38,831 |
| | Wolfe River | ..... | ..... |
| Sault Ste. Marie | Batchawana Bay | ..... | ..... |
| | Pancake Bay | 1,805 | 2,755 |
| Sioux Lookout | Frog Rapids | 513 | ..... |
| | Pakwash | ..... | ..... |
| | Perrault Falls | 934 | ..... |
| Sudbury | Windy Lake | 2,990 | 44,896 |
| Swastika | McCann | ..... | ..... |
| Tweed | Lake St. Peter | 2,250 | 25,348 |
| | Mazinaw Lake | 2,964 | 11,971 |
| | Outlet | ..... | ..... |
| | Sandbanks | ..... | ..... |

| ATTENDANCE AT INTERPRETIVE PROGRAMMES | | | | | | PUBLIC USE OF PROVINCIAL PARKS | | | | |
|---------------------------------------|-----------------|---------|-------------------|-------------------------|----------|--------------------------------|-----------------|--------------------|-------------------|--------------------|
| PROVINCIAL PARKS ANNUAL TOTALS | No. of Parks | Museum* | Nature Trails* | Con- ducted Hikes | Lectures | Child Camps | No. of Parks | No. of Vehicles | No. of Campers | No. of Visitors |
| 1950..... | 1 | ..... | 6,173 | ..... | 1,593 | ..... | .. | ..... | ..... | ..... |
| 1951..... | 1 | ..... | 5,390 | ..... | 2,675 | ..... | .. | ..... | ..... | ..... |
| 1952..... | 2 | 200 | 14,341 | ..... | 3,769 | ..... | .. | ..... | ..... | ..... |
| 1953..... | 2 | 53,844 | 12,761 | ..... | 7,263 | ..... | .. | ..... | ..... | ..... |
| 1954..... | 3 | 72,839 | 18,920 | ..... | 11,078 | ..... | .. | ..... | ..... | ..... |
| 1955..... | 3 | 75,711 | 25,388 | 1,943 | 6,595 | 1,448 | .. | ..... | ..... | ..... |
| 1956..... | 5 | 91,246 | 23,125 | 2,046 | 9,001 | 1,815 | 21 | ..... | 86,641 | ..... |
| 1957..... | 6 | 119,200 | 26,908 | 2,824 | 10,760 | 1,949 | 39 | 629,666 | 162,705 | 2,114,661 |
| 1958..... | 6 | 146,681 | 40,617 | 3,973 | 14,799 | 2,790 | 45 | 927,871 | 276,128 | 3,232,460 |
| 1958 Algonquin..... | | 103,200 | 38,182 | 1,835 | 11,393 | 1,890 | .. | ..... | 47,064 | 445,984 |
| Rondeau..... | | 22,740 | ..... | 1,251 | 1,789 | ..... | .. | ..... | 12,823 | 692,453 |
| Sibley..... | | 7,752 | 375 | 472 | 140 | 765 | .. | ..... | 2,727 | 46,768 |
| Quetico..... | | 4,889 | 165 | 103 | 506 | ..... | .. | ..... | 1,777 | 30,769 |
| Presqu'ile..... |  | ..... | 1,895 | 312 | 971 | 135 | .. | ..... | 18,005 | 243,368 |
| Serpent Mounds..... | | 8,100 | ..... | ..... | ..... | ..... | .. | ..... | 2,097 | 24,191 |

*Registered attendance only. Actual attendance was much higher.

PERSONNEL SECTION

When the Division of Operation and Personnel was separated under the administrative structural changes affected on December 1st, 1957, Personnel became a Section responsible to Assistant Deputy Minister G. H. U. Bayly.

The staff of this Section is responsible for the interviewing and recruitment of job applicants, Job Analysis and Position Classification as well as Salary and Wage administration, Employee Relations, Performance Standards, Staff Training and Development, Transfers, Promotions, Separation Discipline, Safety and Workmen's Compensation.

Mr. S. H. C. Parsons is the Section Supervisor.

ADMINISTRATIVE DISTRICTS

Areas in Square Miles DEPARTMENT OF LANDS AND FORESTS

| ADMINISTRATIVE DISTRICTS | FIRE PROTECTION | | | FISH AND WILDLIFE CONTROL ADMINISTRATIVE DISTRICTS | | |
|--------------------------|-----------------|-------|--------|--|-------|--------|
| | Land | Water | Total | Land | Water | Total |
| Chapleau..... | 5,953 | 629 | 6,582 | 5,953 | 629 | 6,582 |
| Cochrane..... | 14,690 | 1,106 | 15,796 | 63,282 | 4,206 | 67,488 |
| Fort Frances..... | 5,218 | 1,348 | 6,566 | 5,820 | 1,379 | 7,199 |
| Geraldton..... | 18,734 | 2,605 | 21,339 | 18,734 | 6,986 | 25,630 |
| Gogama..... | 5,867 | 443 | 6,310 | 5,867 | 443 | 6,310 |
| Kapuskasing..... | 18,399 | 767 | 19,166 | 18,399 | 767 | 19,166 |
| Kemptville..... | ..... | ..... | ..... | 5,197 | 452 | 5,649 |
| Kenora..... | 9,321 | 3,030 | 12,351 | 9,321 | 3,030 | 12,351 |
| Lake Erie..... | ..... | ..... | ..... | 6,796 | 5,826 | 12,622 |
| Lake Huron..... | ..... | ..... | ..... | 8,781 | 6,977 | 15,758 |
| Lake Simcoe..... | 220 | 19 | 239 | 4,665 | 1,489 | 6,154 |
| Lindsay..... | 2,374 | 206 | 2,580 | 5,079 | 1,710 | 6,789 |
| North Bay..... | 4,969 | 616 | 5,585 | 4,969 | 616 | 5,585 |
| Parry Sound..... | 5,490 | 691 | 6,181 | 5,552 | 2,952 | 8,504 |
| Pembroke..... | 4,157 | 361 | 4,518 | 4,714 | 434 | 5,148 |
| Port Arthur..... | 13,869 | 4,681 | 18,550 | 13,869 | 4,681 | 18,550 |

| | | | | | | |
|-------------------------|---------|--------|---------|---------|--------|----------|
| Sault Ste. Marie**..... | 7,861 | 3,294 | 11,155 | 8,004 | 3,353 | 11,357 |
| Sioux Lookout..... | 33,748 | 6,912 | 40,660 | 112,860 | 22,579 | 135,439 |
| Sudbury***..... | 6,622 | 1,259 | 7,881 | 7,746 | 5,062 | 12,808 |
| Swastika..... | 5,122 | 283 | 5,405 | 5,122 | 283 | 5,405 |
| Tweed..... | 3,049 | 265 | 3,314 | 6,705 | 1,932 | 8,637 |
| White River..... | 6,400 | 521 | 6,921 | 6,400 | 3,051 | 9,451 |
| TOTAL AREA..... | 172,063 | 29,036 | 201,099 | 333,835 | 78,747 | *412,582 |

* Total area of the Province of Ontario includes part of Great Lakes.

** St. Joseph Island (143 square miles) is included in Sault Ste. Marie District for all purposes except Fire Protection.

*** Manitoulin, Cockburn, Fitzwilliam, Lonely, Great Duck, Western Duck and Barry Islands (1,124 square miles, excluding lakes) are included in Sudbury District for Fish and Wildlife Control only. The area of Sudbury District for Administrative purposes is 11,684 square miles, including waters of the North Channel and Lake Huron within the territorial district of Manitoulin Island.

DISTRICT — CHAPLEAU

OFFICE: Corner Lorne and Beach Streets.

District Forester T. W. Hueston
Assistant District Forester J. D. Scott

Supervisors

Accounts G. J. Murray
Fish and Wildlife V. Crichton
Forest Protection L. Ridsdill
Lands W. E. MacPhail
Reforestation D. E. Gage
Parks W. E. MacPhail
Timber Management J. D. Scott

Chief Rangers

Biscotasing W. P. O'Donnell
Chapleau L. T. Cecile

DISTRICT — COCHRANE

OFFICE: Court House.

District Forester F. L. Hall
Assistant District Forester D. A. Fawcett

Supervisors

Accounts A. Jackel
Fish and Wildlife S. Nodwell
Forest Protection O. Welsh
Lands G. Simmons
Parks
Reforestation J. Bell
Timber Management P. Anslow

Chief Rangers

Low Bush R. Woodall
Cochrane S. Russell
Timmins C. R. Gray

DISTRICT — FORT FRANCES

OFFICE: 232 Scott Street.

| | |
|---------------------------------------|--------------|
| District Forester | W. T. Foster |
| Assistant District Forester | W. G. Dyer |

Supervisors

| | |
|-----------------------------|--------------|
| Accounts | A. Kingerski |
| Fish and Wildlife | H. Pearson |
| Biologist | C. Elsey |
| Forest Protection | F. Miller |
| Surveys and Parks | L. Rawn |
| Reforestation | J. Mullen |
| Timber Management | H. Henry |

Chief Rangers

| | |
|------------------------|------------|
| Fort Frances | S. V. Ryan |
| Atikokan | F. Dustak |

DISTRICT — GERALDTON

OFFICE: 1821 Main Street (upper floor).

| | |
|---------------------------------------|-----------------|
| District Forester | G. E. MacKinnon |
| Assistant District Forester | B. B. Benson |

Supervisors

| | |
|-----------------------------|---------------------|
| Accounts | R. J. Langford |
| Fish and Wildlife | C. E. Perrie |
| Biologist | J. Goddard (Acting) |
| Forest Protection | R. V. Brady |
| Lands and Parks | A. Grasser |
| Reforestation | D. Skeates |
| Timber Management | F. C. Robinson |

Chief Rangers

| | |
|----------------------|----------------|
| Longlac | H. K. Whalen |
| Nakina | J. A. Murphy |
| Pays Plat | A. J. McGoey |
| Geraldton | J. S. Anderson |
| MacDiarmid | H. R. Redding |

DISTRICT — GOGAMA

OFFICE: Town of Gogama.

District Forester
Assistant District Forester A. E. Walroth

Supervisors

Accounts J. Vance
Fish and Wildlife J. Macfie
Forest Protection J. Canfield
Lands D. J. Shaw
Parks A. E. Walroth
Reforestation D. J. Shaw
Timber Management J. McKnight

Chief Rangers

Foleyet J. R. Languerand
Gogama P. Bellevance

DISTRICT — KAPUSKASING

OFFICE: Kapuskasing, Ontario.

District Forester J. S. Ball
Assistant District Forester J. Dickenson

Supervisors

Accounts J. Carswell
Fish and Wildlife O. Lewis
Forest Protection F. Dodds
Lands T. Murphy
Parks W. A. Perrin
Reforestation P. Hare
Timber Management E. F. Anderson

Chief Rangers

Kapuskasing J. H. Clavelle
Hearst J. Shalla
Oba B. Wilson

DISTRICT — KEMPTVILLE

OFFICE: Kemptville, Ontario.

District Forester W. A. G. Thurston
Assistant District Forester

Supervisors

Accounts F. S. Bumstead
Fish and Wildlife D. Sylvester
Biologist J. B. Dawson
Forest Protection E. A. Greene
Lands and Parks E. A. Greene
Reforestation H. R. Grinnell

Nursery

Kemptville H. H. Devries

DISTRICT — KENORA

OFFICE: 213-15 Main Street.

District Forester F. E. Sider
Assistant District Forester W. Bastedo

Supervisor

Accounts G. McChesney
Fish and Wildlife P. Thompson
Forest Protection B. T. Dunne
Lands J. Wynd
Parks G. C. Myers
Reforestation D. J. Vance
Timber Management W. Bastedo

Chief Rangers

Kenora J. Mackay
Minaki J. L. Hamill
Ignace P. Nicoll
Dryden J. Anderson

DISTRICT — LAKE ERIE

OFFICE: Aylmer West, Ontario.

District Forester J. K. Reynolds
Assistant District Forester

Supervisors

Accounts G. B. Fewings
Fish and Wildlife E. L. Skuce
Biologist J. D. Roseborough
Forest Protection
Lands
Parks K. A. Cameron
Reforestation C. H. Zavitz
Timber Management

Nursery

St. Williams W. Bunting

Parks

Rondeau R. McLaren
Pinery K. Cameron
Ipperwash J. Matheson

DISTRICT — LAKE HURON

OFFICE: R.R. No. 1, Hespeler, Ontario.

District Forester E. K. E. Dreyer
Assistant District Forester

Supervisors

Accounts H. MacKrow
Fish and Wildlife E. Meadows
Biologist R. E. Mason
Forest Protection
Lands
Parks R. W. Jordan
Reforestation W. Steele
Timber Management

DISTRICT — LAKE SIMCOE

OFFICE: Maple, Ontario.

District Forester A. W. Leman
Assistant District Forester J. Fraser

Supervisors

Accounts F. Waghorne
Fish and Wildlife J. S. Ellis
Biologist J. Fraser
Forest Protection
Lands
Parks A. Selwood
Reforestation S. R. Hamilton
Timber Management

Nurseries

Angus A. E. Lewis
Midhurst J. Halpenny

Parks

Sibbald's Point D. R. Cutts

DISTRICT — LINDSAY

OFFICE: 24 William Street North.

District Forester D. R. Wilson
Assistant District Forester J. R. Keddie

Supervisors

Accounts G. F. Walker
Fish and Wildlife G. Buie
Biologist J. C. Weir
Forest Protection W. Kitt
Lands F. Flood
Parks P. R. Davidson
Reforestation E. F. Johnston
Timber Management J. R. Keddie

Chief Rangers

Minden P. J. Cassidy
Gooderham W. Sarginson

Parks

Presqu'ile P. J. Kennedy

Nursery

Orono G. M. Linton

DISTRICT — NORTH BAY

OFFICE: 263a Main Street North.

District Forester W. B. Clarke
Assistant District Forester

Supervisors

Accounts E. Rogers
Fish and Wildlife A. M. Hodgson
Biologist J. F. Gage
Forest Protection G. MacAdam
Lands W. Turnbull
Parks A. D. Tremblay
Reforestation C. Howard
Timber Management R. Lockhart

Chief Rangers

Temagami P. Hoffman
North Bay L. L. Bronson

ONTARIO FOREST RANGER SCHOOL

Dorset, Ontario

Director J. L. Mennill
Accounts T. Craine

Instructors

T. H. Croswell
E. Goodman
G. Pennock
W. P. Small

DISTRICT — PARRY SOUND

OFFICE: 34 Sequin Street.

| | |
|---------------------------------------|----------------|
| District Forester | M. A. Adamson |
| Assistant District Forester | R. A. Balkwill |

Supervisors

| | |
|-----------------------------|-----------------|
| Accounts | R. E. Harrison |
| Fish and Wildlife | N. McNaughton |
| Biologist | F. Walden |
| Forest Protection | D. Burns |
| Lands | W. Cubitt |
| Parks | E. Diamond |
| Reforestation | W. K. Fullerton |
| Timber Management | R. A. Balkwill |

Chief Rangers

| | |
|-----------------------|---------------|
| Parry Sound | R. E. Simpson |
| Powassan | W. J. Barber |

DISTRICT — PEMBROKE

OFFICE: 68 Pembroke Street.

| | |
|---------------------------------------|----------------|
| District Forester | R. C. Passmore |
| Assistant District Forester | J. W. Giles |

Supervisors

| | |
|-----------------------------|---------------|
| Accounts | G. Bragg |
| Fish and Wildlife | H. E. Deedo |
| Biologist | K. Irizawa |
| Forest Protection | J. J. Tait |
| Lands | J. Orme |
| Parks | J. E. Collard |
| Reforestation | C. R. Groves |
| Timber Management | J. W. Giles |

Chief Rangers

| | |
|--------------------|-----------------|
| Pembroke | R. N. Cousineau |
| Whitney | H. Hanes |

Parks

| | |
|---------------------|-------------|
| Algonquin | G. Phillips |
|---------------------|-------------|

DISTRICT — PORT ARTHUR

OFFICE: Forestry Building, Algoma Street North.

| | |
|---------------------------------------|---------------|
| District Forester | W. L. Sleeman |
| Assistant District Forester | J. B. Rorke |

Supervisors

| | |
|-----------------------------|------------------|
| Accounts | J. Chadwick |
| Fish and Wildlife | D. J. D'Agostini |
| Biologist | R. Ryder |
| Forest Protection | M. Sauerbrei |
| Lands | W. Jarvis |
| Parks | W. Bliss |
| Reforestation | L. Eckel |
| Timber Management | W. W. Wahl |

Chief Rangers

| | |
|--------------------------|----------------|
| Port Arthur | W. Taylor |
| Black Sturgeon | H. G. Reynolds |
| Shebandowan | G. Murray |

Nursery

| | |
|------------------------|----------------|
| Fort William | E. M. Cressman |
|------------------------|----------------|

DISTRICT — SAULT STE. MARIE

OFFICE: Airdrome Building.

| | |
|---------------------------------------|----------------|
| District Forester | J. W. Lockwood |
| Assistant District Forester | G. M. Longley |

Supervisors

| | |
|-----------------------------|----------------|
| Accounts | J. C. Kindness |
| Fish and Wildlife | C. L. Perrie |
| Forest Protection | T. Woodside |
| Lands | L. Smith |
| Parks | G. McKinney |
| Reforestation | A. Crealock |
| Timber Management | D. S. Bruce |

Chief Rangers

| | |
|----------------------------|---------------|
| Blind River | J. A. Huppe |
| Sault Ste. Marie | C. Tregonning |
| Sand Lake | E. Montgomery |

DISTRICT — SIOUX LOOKOUT

OFFICE: 38 Front Street.

District Forester W. G. Cleavely
Assistant District Forester J. E. Barnes

Supervisors

Accounts D. Munch
Fish and Wildlife R. Trotter
Forest Protection E. W. Bouchey
Lands S. N. Johnson
Parks
Reforestation V. W. Fisk
Timber Management J. K. Gaughan

Chief Rangers

Armstrong H. S. Anderson
Pickle Lake E. Guertin
Red Lake D. R. Williams
Sioux Lookout F. J. Atkinson

DISTRICT — SUDBURY

OFFICE: 7 Cedar.

District Forester G. A. Hamilton
Assistant District Forester E. A. Lewis

Supervisors

Accounts G. Jennings
Fish and Wildlife C. Bibby
Biologist W. C. Morris
Forest Protection G. Bulloch
Lands A. S. Blair
Parks
Reforestation A. W. Chalk
Timber Management J. F. Flowers

Chief Rangers

Skead V. Bragg
Espanola E. Morin
Sudbury W. Wetow

DISTRICT — SWASTIKA

OFFICE: Swastika, Ontario.

District Forester G. F. Coyne
Assistant District Forester W. Armstrong

Supervisors

Accounts H. Michiel
Fish and Wildlife D. Waldriff
Biologist N. Patrick
Forest Protection G. Barna
Lands J. McDougall
Parks H. Mattson
Reforestation D. A. Scott
Timber Management F. Janser

Chief Rangers

Elk Lake W. A. Adair
Matheson V. L. Wilson
Swastika H. Stuart

Nursery

Superintendent A. H. Peacock

DISTRICT — TWEED

OFFICE: Tweed, Ontario.

District Forester J. M. Taylor
Assistant District Forester J. D. Hughes

Supervisors

Accounts W. H. Porch
Fish and Wildlife H. S. Dornan
Biologist R. W. Whitfield
Forest Protection McKinley Wilson
Lands A. E. Beach
Parks H. Cantelon
Reforestation J. D. Hughes
Timber Management J. Keenan

Chief Rangers

Dacre M. D. Mulvihill
Bancroft O. Goodman
Tweed L. Fleguell

DISTRICT — WHITE-RIVER

OFFICE: White River, Ontario.

District Forester A. L. Dunne
Assistant District Forester D. M. Peacock

Supervisors

Accounts P. Yade
Fish and Wildlife C. W. Douglas
Forest Protection D. M. Peacock
Lands and Parks J. Small
Reforestation J. D. Griffiths
Timber Management R. Baxter

Chief Rangers

Jamestown C. Macdonald
Franz E. A. Melin
Mobert V. E. Niemi

PERSONNEL REPORT TO YEAR ENDING 31st MARCH, 1958

| EMPLOYMENT STATUS* | | | | | UNIVERSITY DEGREES OR TITLES | | | | | WORKMEN'S COMPENSATION | | |
|--------------------|-------------|-----|-------|--------|------------------------------|----------------------|------------|-------------|--------------|------------------------|------------|--------------|
| YEAR | Cont. Temp. | | Total | Casual | Licensed Scalers | Ranger School Grads. | Forest-ers | Biolo-gists | Civil Engrs. | Misc. Total | No. Claims | Cost |
| | | | | | | | | | | | | |
| 1944..... | 310 | 268 | 578 | 397 | ... | ... | ... | .. | .... | .. | 98 | \$ 12,850.33 |
| 1945..... | 324 | 305 | 629 | 929 | ... | ... | ... | .. | .. | .. | 120 | 14,540.02 |
| 1946..... | 373 | 318 | 691 | 573 | ... | ... | ... | .. | .. | .. | 129 | 14,248.76 |
| 1947..... | 523 | 562 | 1,085 | 527 | ... | ... | ... | .. | .. | .. | 182 | 21,560.24 |
| 1948..... | .... | ... | .... | .... | ... | ... | ... | .. | .. | .. | 328 | 27,189.07 |
| 1949..... | 1,167 | 196 | 1,363 | 562 | ... | ... | ... | .. | .. | .. | 494 | 35,989.21 |
| 1950..... | 1,352 | 157 | 1,509 | 580 | ... | ... | ... | .. | .. | .. | 501 | 50,989.11 |
| 1951..... | 1,420 | 141 | 1,561 | 617 | 343 | 237 | 147 | 25 | 3 | 12 | 394 | 43,950.68 |
| 1952..... | 1,441 | 181 | 1,622 | 790 | 356 | 257 | 158 | 26 | 5 | 16 | 368 | 54,157.82 |
| 1953..... | 1,518 | 158 | 1,676 | 680 | 381 | 293 | 166 | 33 | 5 | 16 | 417 | 51,168.82 |
| 1954..... | 1,546 | 175 | 1,721 | 633 | 391 | 331 | 172 | 36 | 6 | 23 | 494 | 64,693.23 |
| 1955..... | 1,618 | 142 | 1,760 | 727 | 392 | 379 | 174 | 39 | 5 | 26 | 455 | 63,356.59 |
| 1956..... | 1,611 | 180 | 1,791 | 655 | 404 | 425 | 139 | 34 | 6 | 27 | 910 | 106,962.46 |
| 1957..... | 1,583 | 175 | 1,758 | 929 | 429 | 461 | 182 | 34 | 6 | 27 | 588 | 85,158.76 |
| 1958..... | 1,685 | 134 | 1,819 | 3,209 | 459 | 504 | 181 | 40 | 6 | 24 | 727 | 101,376.46 |

*Extra fire fighters not included.

NOTE: Medical and Hospital fees have increased greatly in recent years.

DISTRIBUTION OF JUNIOR RANGERS (SUMMER MONTHS ONLY)

| District | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 |
|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Chapleau..... | | | | | | | 14 | 15 | 23 | 26 | 40 | 46 | 39 | 38 | 35 |
| Cochrane..... | | | | | 12 | 25 | 25 | 21 | 26 | 36 | 39 | 45 | 39 | 35 | 24 |
| Fort Frances..... | | | | | | | | | | | | 14 | 16 | 14 | 14 |
| Geraldton..... | | | | | | | 10 | 10 | 10 | 15 | 35 | 24 | 27 | 48 | 59 |
| Gogama..... | | | | | | 10 | 15 | 12 | 21 | 25 | 34 | 43 | 27 | 38 | 35 |
| Kapuskasing..... | | | | | 8 | 10 | 14 | 12 | 12 | 21 | 32 | 43 | 33 | 28 | 34 |
| Kemptville..... | | | | | | | | | | | | | | | |
| Kenora..... | | | | | | | 11 | ..... | ..... | ..... | 10 | ..... | 10 | 11 | 25 |
| Lake Erie..... | | | | | | | | | | | | | | | |
| Lake Huron..... | | | | | | | | | | | | | | | |
| Lake Simcoe..... | | | | | | | | | | | | | | | |
| Lindsay..... | | | | | | | 12 | 15 | 14 | 25 | 29 | 46 | ..... | ..... | ..... |
| North Bay..... | 10 | 13 | 12 | 18 | 21 | 26 | 27 | 21 | 22 | 30 | 38 | 38 | 38 | 48 | 36 |
| Parry Sound..... | 11 | 10 | 10 | 12 | 25 | 19 | 18 | 12 | 12 | 15 | 20 | 25 | 46 | 35 | 36 |
| Pembroke..... | | | 12 | 29 | 20 | 40 | 42 | 32 | 32 | 35 | 42 | 51 | 48 | 42 | 34 |
| Port Arthur..... | | | | | | | | | 13 | 15 | 11 | 8 | 24 | 13 | 36 |
| Sault Ste. Marie..... | | 10 | 10 | 11 | 13 | 22 | 20 | 20 | 31 | 37 | 60 | 53 | 75 | 73 | 66 |
| Sioux Lookout..... | | | | | | | | 9 | 12 | 21 | 19 | ..... | 11 | 13 | 12 |
| Sudbury..... | | 7 | 15 | 13 | 20 | 26 | 16 | 14 | 14 | 23 | 24 | 42 | 76 | 51 | 46 |
| Swastika..... | | | | | 8 | 28 | 32 | 24 | 24 | 27 | 31 | 11 | 43 | 24 | 24 |
| Tweed..... | | | | 9 | 21 | 19 | 18 | 15 | 24 | 29 | 32 | 26 | ..... | ..... | ..... |
| White River..... | | | | | | | 12 | 11 | 22 | 23 | 28 | 42 | 62 | 39 | 49 |
| TOTAL..... | 21 | 40 | 59 | 92 | 148 | 237 | 289 | 242 | 312 | 403 | 524 | 547 | 614 | 550 | 565 |

DIVISION OF RESEARCH

Created in 1941 as part of the Departmental reorganization, this Division was committed to J. A. Brodie, B.Sc.F.

Mr. Brodie was succeeded by R. N. Johnston, B.Sc.F., on completion of certain other scientific activities in connection with the war program.

Some highlights for the past year are:

Silvicultural treatments of yellow birch were shown to be effective in improving germination, survival and height growth.

The Research Division established the first test plantations of red spruce in Ontario, preparatory to the introduction of this species into the planting programs of the Department.

The importance of mechanical scarification became recognized as a necessary measure in the establishment of regeneration of fail sites.

The experimental use of silvercides as a silvicultural tool was expanded. Control of undesirable competitive growth is the objective.

Bare-root grafting proved most successful in white pine tree breeding.

Fisheries studies have given most definite indications that the abundance of smallmouth bass is dependent on water temperatures during the hatching year; not on the number of spawning fish.

Synoptic surveys were made in Lake Erie, similar to those previously conducted in Georgian Bay and Lake Huron, as part of the program to determine the physical characteristics of the Great Lakes.

An experimental study was made of methods of censusing moose from the air. A helicopter was used to make the first accurate checks of census figures obtained by observers in Beaver aircraft.

The annual report to March 31st reveals the details of extensive research which cannot be tabulated, but is of vital importance in conservation of natural resources.

DIVISION OF SURVEYS

SURVEYOR-GENERALS OR DIRECTORS OF SURVEYS

| | | |
|----------------------------|-----------|--------------------------------------|
| Samuel Holland | | |
| Northern District of | | |
| North America | 1764-1801 | Surveyor-General |
| Sir D. W. Smith | 1801-1805 | Surveyor-General |
| C. B. Wyatt | 1806- | Surveyor-General |
| Thomas Ridout | 1807-1829 | Surveyor-General |
| Hon. S. P. Hurd | 1832-1835 | Surveyor-General |
| J. Macaulay | 1836-1838 | Surveyor-General |
| Hon. R. B. Sullivan . . . | 1838-1840 | Surveyor-General |
| Thos. Parke | 1841-1845 | Surveyor-General |
| *G. B. Kirkpatrick | 1880-1917 | Director of Surveys |
| *L. V. Rorke | 1918-1928 | Director of Surveys |
| †L. V. Rorke | 1928-1936 | Deputy Minister/ Surveyor-General |
| ‡C. H. Fullerton | 1936-1946 | Surveyor-General |
| F. W. Beatty | 1946- | Surveyor-General |

* Office of Surveyor-General abolished 17th March, 1845, by Provincial Statute 8 Vic., Chap. XI, Sec. 1, which consolidated the Department and office under the Commissioner of Crown Lands.

† Office of Surveyor-General re-established by Provincial Statute 18 Geo. V., Chap. 9, 1928, as Deputy Minister to be known as Surveyor-General, under Public Lands Act.

‡ Act of 1928 amended in 1942 by Statute Law Amendment Act and office of Surveyor-General re-established, under Public Lands Act.

Township boundaries were surveyed in the vicinity of Kingston in 1784, under instructions from Samuel Holland, the Surveyor-General of Northern District of North America.

By Order in Council dated the 18th of November, 1791, the Province of Quebec was divided into two Provinces, to be called the Province of Upper and Lower Canada. Upper Canada was to include all the territory to the westward and southward of the line described, which is the present eastern boundary of Ontario, to the utmost extent of the country commonly called or known by the name of Canada.

Various systems of surveying the townships into lots or sections for disposition of Crown land have been adopted. The periods during which these systems were used and the types of systems are as follows:

- 1783-1818—single front
- 1787-1813—front and rear
- 1818-1829—double front
- 1829-1851—2,400-acre block
- 1835-1906—1,000-acre block
- 1859 —Townships 6 miles square—no road allowances—Townships divided into 36 sections.
- 1872 —Townships 6 miles square—no road allowances—6 concessions and 12 lots.
- 1876 —Township—similar manner to Dominion Land Survey system—36 sections with $1\frac{1}{2}$ chain road allowances around each section.
- 1906 —1,800-acre blocks.

The eastern boundary of Ontario was surveyed from Lake Timiskaming north to mile 42 in 1874; to mile 88 in 1905; to mile 140 in 1906; to mile 208 in 1907 and to James Bay in 1931.

The western boundary was surveyed from the Lake of the Woods to the Winnipeg River—1897-98; to the 12th Base Line, D.L.S. System, 1921-22; to the most easterly point of Island Lake—1929-30; to the Echoing River in 1937 and to Hudson Bay, 1947-48. Erection of permanent monuments, chaining, etc., from Island Lake to Hudson Bay was carried out in 1950.

The general prosperity and employment is reflected in the requests for Crown lands for summer resort camp sites. Approximately 400 such resorts were surveyed in 1946 and 1,269 in 1956. This work has necessitated the retracement

surveys, where the original surveys had become obliterated, particularly in the Muskoka, Parry Sound and Haliburton areas.

In 1922 the Department commenced sketching and mapping types of forested areas from oblique aerial photographs. Since 1926 vertical photographs have been used and in 1954 an aircraft of the Otter type was purchased for aerial photography. Aerial photographs had been taken by members of our staff of an area of approximately 248,323 square miles up to March 31st, 1958.

The Beds of Navigable Waters Act was passed in 1911 and The Water Powers Regulations Act in 1916 and, by virtue of these Acts, leases have been granted for development of power plants with a total installed capacity of 2,561,000 horse-power. The installed capacity of plants not under lease from the Province is estimated to be 2,900,000 horse-power. This includes the plants at Niagara.

Under the provisions of The Lakes and Rivers Improvement Act, plans of all dams constructed on rivers and streams must be submitted to the Department of Lands and Forests for approval before being constructed. The Department regulates the discharge of water from lakes where dams have been rebuilt by the Department of Public Works for conservation, the propagation of fish and wildlife and forest protection.

LANDS BRANCH

The fact that the Department of Crown Lands came into being in 1827 has its own significance. In the then growing Province land was the big item. They burned timber to get at it, the prime need being cultivation and there was a limited market for lumber.

Before that, however, Upper Canada became a Province with its own legislature. The Hon. John Graves Simcoe's proclamations and the tiny legislatures enactments made the first administrative efforts.

The influx of U. E. Loyalists, the manipulations of Colonization land companies and the impact of immigration brought their problems.

Clergy Reserves were the cause of discontent and the war of 1812, and the rebellion of 1837, were tribulations of the land administrators.

The Lands Branch of the Provincial Administration actually came into being, however, in 1827 under the Hon. Peter Robinson. Some of its problems are recited in the first printed annual report in 1857.

The annual report for 1867 states, "Previous to Confederation separate accounts were not kept of the Woods and Forests revenue". Lands had been the thing. The basic titles of all privately owned land in Ontario are in its records.

It became a Division (formerly known as Lands Branch) in 1941. On December 1st, 1957, it became a Lands Branch again in consolidation with the Surveys Division.

RE. PINE TREE RESERVATIONS IN FREE GRANT PATENTS

Commencing immediately subsequent to Confederation, the Act of 1868, being 31 Victoria, Chap. 8, reserved pine trees on land located as free grants, but passed the pine trees to the grantee with the land when patent issued.

The above provision obtained until 1880 when by 43 Victoria, Chap. 4, pine trees were reserved in locations subject to certain restricted cutting permitted by locatees, but when patent issued, all the pine trees were reserved to

the Crown. This applied to all patents issuing subsequent to March 5th, 1880, and the reservation of pine trees continued through to 1937 except that in 1913, there was an amendment to The Public Lands Act which provided that where land was not in timber licence and the locatee was in residence with improvements, he could request that pine trees be included in the patent, or in the event that patent had previously issued he could request a pine patent.

The Free Grants and Homesteads Act of 1908, provided for the opening of land with the approval of the Lieutenant-Governor in Council, which had not previously been opened and which had not for any reason been withdrawn from settlement and upon such land being opened all patents of land therein included the pine trees if the land was not under timber licence.

NOTE: The Rainy River Homesteads Act, being Chap. 30 of the Statutes of 1897, reserved by sections 12 and 13 all the pine trees in the location, but all pine trees remaining on the land at the date of patent passed with the patent. This provision was carried through into the Consolidation of Acts relating to public lands and is incorporated in The Public Lands Act of 1913.

NOTE: The territorial District of Rainy River included the present Districts of Rainy River and Kenora up to 1908, when by The Territorial Divisions Act the area was separated into what is now known as the Districts of Fort Frances and Kenora.

FREE GRANT LAND
In Fiscal Year Ending March 31st

| Year | Locations | Acres | Cancellations | Acres | Assignments | Acres | Patents | Acres Patented |
|-----------|-----------|-------|---------------|--------|-------------|--------|---------|-------------------|
| 1944..... | 20 | 2,694 | 528 | 64,783 | 89 | 113,10 | 218 | 28,610 |
| 1945..... | 21 | 2,308 | 678 | 83,655 | 116 | 14,441 | 226 | 29,266 |
| 1946..... | 49 | 5,737 | 545 | 61,459 | 120 | 14,214 | 216 | 26,068 |
| 1947..... | 73 | 8,243 | 449 | 51,906 | 122 | 15,523 | 168 | 21,668 |
| 1948..... | 67 | 8,649 | 403 | 48,578 | 64 | 8,415 | 164 | 22,119 |
| 1949..... | 49 | 5,872 | 280 | 30,536 | 54 | 7,085 | 107 | 14,360 |
| 1950..... | 48 | 6,192 | 336 | 40,732 | 62 | 7,200 | 196 | 24,287 |
| 1951..... | 28 | 3,608 | 289 | 35,371 | 56 | 7,747 | 150 | 19,826 |
| 1952..... | 27 | 3,411 | 159 | 19,785 | 37 | 5,060 | 165 | 21,411 |
| 1953..... | 36 | 4,655 | 181 | 21,874 | 25 | 3,452 | 120 | 16,131 |
| 1954..... | 24 | 2,757 | 250 | 30,784 | 19 | 2,618 | 136 | 17,713 |
| 1955..... | 17 | 1,823 | 209 | 25,755 | 7 | 1,005 | 87 | 11,219 |
| 1956..... | 20 | 2,708 | 114 | 12,661 | 4 | 517 | 59 | 7,501 |
| 1957..... | 8 | 878 | 78 | 8,727 | 1 | 151 | 47 | 6,089 |
| 1958..... | 6 | 796 | 60 | 6,950 | 1 | 156 | 48 | 6,483 |

AGRICULTURAL LAND SALES, ETC.

In Fiscal Year Ending March 31st

| Year | No. of Sales | Acres | No. of Cancellations | Acres | No. of Assignments | Acres | No. of Patents | Acres |
|-----------|-----------------|--------|-------------------------|--------|-----------------------|--------|-------------------|--------|
| 1944..... | 325 | 31,934 | 445 | 39,615 | 177 | 20,124 | 359 | 43,845 |
| 1945..... | 269 | 27,158 | 562 | 49,651 | 152 | 16,002 | 315 | 36,307 |
| 1946..... | 281 | 26,535 | 438 | 42,933 | 162 | 17,464 | 321 | 36,683 |
| 1947..... | 303 | 29,757 | 338 | 29,470 | 222 | 22,801 | 433 | 52,189 |
| 1948..... | 280 | 29,506 | 402 | 37,069 | 185 | 21,667 | 299 | 32,929 |
| 1949..... | 277 | 28,740 | 378 | 35,095 | 105 | 12,392 | 225 | 26,435 |
| 1950..... | 267 | 26,671 | 327 | 32,452 | 113 | 12,145 | 316 | 35,483 |
| 1951..... | 195 | 19,228 | 221 | 22,134 | 69 | 7,673 | 256 | 28,104 |
| 1952..... | 223 | 24,420 | 143 | 13,358 | 71 | 7,313 | 242 | 26,474 |
| 1953..... | 186 | 21,965 | 221 | 21,645 | 70 | 7,560 | 256 | 29,319 |
| 1954..... | 144 | 14,534 | 131 | 13,049 | 50 | 4,484 | 256 | 29,123 |
| 1955..... | 158 | 15,232 | 161 | 17,377 | 92 | 4,131 | 188 | 21,265 |
| 1956..... | 117 | 12,230 | 184 | 18,513 | 26 | 3,008 | 148 | 17,892 |
| 1957..... | 82 | 8,683 | 191 | 19,038 | 15 | 1,461 | 126 | 14,882 |
| 1958..... | 101 | 10,543 | 174 | 17,087 | 7 | 807 | 150 | 15,471 |

SUMMER RESORT LANDS

In Fiscal Year Ending March 31st

| Year | Sales | Acres | Cancellations | Acres | Assignments | Acres | Patents | Acres |
|-----------|-------|-------|---------------|-------|-------------|-------|---------|-------|
| 1941..... | 169 | 516 | 4 | 8 | .. | ... | 126 | 469 |
| 1942..... | 126 | 423 | 1 | 1 | 2 | 6 | 98 | 361 |
| 1943..... | 169 | 462 | ... | ... | .. | ... | 127 | 421 |
| 1944..... | 344 | 948 | 10 | 25 | 3 | 5 | 231 | 659 |
| 1945..... | 459 | 1,180 | 11 | 20 | 9 | 15 | 206 | 1,525 |
| 1946..... | 535 | 1,411 | 11 | 35 | 14 | 32 | 277 | 781 |
| 1947..... | 666 | 1,841 | 6 | 6 | 37 | 186 | 496 | 1,764 |
| 1948..... | 700 | 1,700 | 26 | 69 | 34 | 139 | 446 | 1,153 |
| 1949..... | 1,010 | 2,336 | 45 | 218 | 40 | 107 | 756 | 1,984 |
| 1950..... | 1,202 | 2,512 | 77 | 610 | 38 | 95 | 1,046 | 2,613 |
| 1951..... | 1,360 | 2,484 | 62 | 112 | 50 | 94 | 1,125 | 2,294 |
| 1952..... | 1,601 | 2,769 | 75 | 148 | 35 | 319 | 1,294 | 3,363 |
| 1953..... | 1,290 | 2,278 | 73 | 183 | 40 | 127 | 1,263 | 2,287 |
| 1954..... | 1,435 | 2,133 | 76 | 447 | 37 | 72 | 1,312 | 2,168 |
| 1955..... | 1,278 | 1,871 | 84 | 166 | 28 | 42 | 1,479 | 2,438 |
| 1956..... | 1,176 | 1,614 | 108 | 183 | 12 | 17 | 1,384 | 2,089 |
| 1957..... | 714 | 958 | 61 | 124 | 17 | 17 | 1,164 | 1,411 |
| 1958..... | 1,344 | 1,678 | 36 | 53 | 13 | 15 | 962 | 1,350 |

LAND USE PERMITS

In Fiscal Year Ending March 31st

| Year | Hunt Camp | Trappers Cabin | Residence | | Marsh Hay | Mill Site | Sugar Bush | Boat House | Misc. | Dept. Houses | Rondeau Park |
|-----------|--------------|-------------------|---------------|------------------|--------------|--------------|---------------|---------------|-------|-----------------|-----------------|
| | | | and Garden | Agricul- ture | | | | | | | |
| 1944..... | 157 | 8 | 429 | 68 | 76 | 105 | 9 | 27 | 88 | .... | ... |
| 1945..... | 254 | 30 | 392 | 114 | 63 | 137 | .. | 31 | 131 | 89 | ... |
| 1946..... | 321 | 31 | 398 | 138 | 95 | 156 | .. | 44 | 251 | 236 | ... |
| 1947..... | 391 | 25 | 570 | 201 | 38 | 172 | 10 | 56 | 95 | 330 | ... |
| 1948..... | 464 | 47 | 489 | 233 | 15 | 197 | 2 | 80 | 307 | 377 | ... |
| 1949..... | 543 | 33 | 446 | 129 | 57 | 170 | 2 | 77 | 370 | 501 | 255 |
| 1950..... | 786 | 18 | 386 | 122 | 67 | 175 | 4 | 42 | 265 | 1,262 | 143 |
| 1951..... | 796 | 32 | 261 | 66 | 56 | 231 | 6 | 79 | 599 | 1,617 | 148 |
| 1952..... | 866 | 13 | 259 | 47 | 34 | 239 | .. | 76 | 643 | 1,758 | 153 |
| 1953..... | 957 | ... | 299 | 34 | 24 | 187 | 1 | 69 | 400 | 1,671 | 167 |
| 1954..... | 1,064 | 4 | 224 | 35 | 19 | 169 | .. | 41 | 563 | 1,964 | 191 |
| 1955..... | 1,220 | 29 | 246 | 34 | 10 | 180 | 9 | 102 | 683 | 2,046 | ... |
| 1956..... | 1,234 | 200 | 435 | 130 | 29 | 216 | 5 | 216 | 453 | 2,543 | ... |
| 1957..... | 1,248 | 328 | 459 | 84 | 36 | 215 | 5 | 237 | 537 | 2,613 | ... |
| 1958..... | 1,352 | 218 | 514 | 79 | 37 | 184 | 1 | 252 | 509 | 2,858 | ... |

Variations are, for the most part, due to cancellations or issue of patents.

AERIAL SURVEYS

VERTICAL PHOTOGRAPHY, 1957-58:

| | | | |
|--|------------------|---|---|
| Forest Resources Inventory—New | 800 square miles | | |
| “ “ “ —Revision . . | 7,395 | “ | “ |

| | | | |
|---|-------|---|---|
| (Vertical Photography of Southern Ontario on scale of 20 chains to inch completed) . | 8,195 | “ | “ |
|---|-------|---|---|

MAPPING

| | | | |
|-------------------------|--------------------|--|--|
| Mosaic Panels | 8,500 square miles | | |
|-------------------------|--------------------|--|--|

Total Area Photographed and Sketched from 1924 to March 31st, 1958

(Excluding area photographed under contract)

| | | | |
|--------------------------------|---------------------|---|---|
| Aerial Sketching | 26,903 square miles | | |
| Oblique Photography | 10,790 | “ | “ |
| Vertical Photography | 210,630 | “ | “ |

Area Photographed During the Past Ten Years

| | | | |
|-------------------|--------------------|---|---|
| 1948-49 | 7,239 square miles | | |
| 1949-50 | 13,353 | “ | “ |
| 1950-51 | 3,471 | “ | “ |
| 1951-52 | 16,464 | “ | “ |
| 1952-53 | 12,743 | “ | “ |
| 1953-54 | 16,490 | “ | “ |
| 1954-55 | 9,050 | “ | “ |
| 1955-56 | 17,358 | “ | “ |
| 1956-57 | 7,303 | “ | “ |
| 1957-58 | 8,195 | “ | “ |

AERIAL SURVEYS (Square Miles)

| FISCAL YEAR | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 |
|--------------------------------------|--------|-------|--------|-------|--------|--------|--------|-------|--------|-------|-------|
| DEPARTMENT OF LANDS AND FORESTS: | | | | | | | | | | | |
| Forest Resources Inventory..... | 6,681 | 4,882 | 11,882 | 648 | 15,900 | 9,950 | 14,047 | 8,333 | 15,778 | 7,303 | 8,195 |
| Base and Meridian Lines..... | ..... | ..... | ..... | ..... | ..... | 475 | 892 | 390 | ..... | ..... | ..... |
| Other..... | 177 | ..... | 50 | 8 | ..... | 535 | 186 | 274 | 480 | ..... | ..... |
| Hydro-Electric Power Commission..... | 1,938 | 737 | 318 | 186 | 79 | 5 | ..... | 40 | ..... | ..... | ..... |
| Department of Mines..... | 200 | 172 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Planning and Development..... | 2,203 | 789 | 1,028 | 1,766 | 371 | 1,557 | 1,220 | ..... | 1,100 | ..... | ..... |
| Department of Highways..... | 384 | 477 | ..... | 863 | 114 | 370 | 145 | 13 | ..... | ..... | ..... |
| Hammermill Paper Co..... | 30 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| O. M. Paper Co..... | ..... | 108 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| City of St. Catharines..... | ..... | 30 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| University of Toronto..... | ..... | 44 | 25 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Fort William/Port Arthur..... | ..... | ..... | 50 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| TOTALS..... | 11,613 | 7,239 | 13,353 | 3,471 | 16,464 | 12,892 | 16,490 | 9,050 | 17,358 | 7,303 | 8,195 |

LITHOGRAPHED MAP DISTRIBUTION

| FISCAL YEAR | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| National Topographic..... | 11,215 | 15,241 | 17,013 | 21,435 | 24,139 | 30,310 | 34,459 | 48,283 | 48,604 | 50,013 | 62,048 |
| 20 A (Free)..... | 1,975 | 4,800 | 1,896 | 2,814 | 2,096 | 1,990 | 2,734 | 3,045 | 2,113 | 2,212 | 1,831 |
| District..... | 7,373 | 8,169 | 7,560 | 6,730 | 9,426 | 8,156 | 9,254 | 12,137 | 10,475 | 11,687 | 12,592 |
| Island..... | 168 | 357 | 1,255 | 650 | 932 | 791 | 593 | 607 | 882 | 671 | 345 |
| 42 A (Townships)..... | 506 | 1,004 | 510 | 370 | 285 | 330 | 216 | 459 | 576 | 398 | 491 |
| 33 A (Electoral)..... | 25 | 169 | 152 | 61 | 311 | 207 | 64 | 250 | 839 | 190 | 126 |
| Miscellaneous..... | 1,100 | 2,030 | 5,062 | 3,433 | 3,292 | 4,150 | 5,167 | 8,766 | 1,254 | 12,776 | 1,890 |

TOTAL..... 22,362 31,770 33,448 35,493 40,481 45,934 52,487 73,547 64,743 77,947 79,323

DISTRIBUTION OF LITHOGRAPHED MAPS

| Fiscal Year | Free Issues | District Maps | Provincial | | | National Topographic | Grand Total |
|-------------|----------------|------------------|---------------|-------|-----------------|-------------------------|----------------|
| | | | Miscellaneous | Other | Issues Total | | |
| 1947..... | 3,650 | 7,378 | 3,103 | 2,513 | 16,644 | 10,535 | 27,179 |
| 1948..... | 1,975 | 7,373 | 1,100 | 699 | 11,147 | 11,215 | 22,362 |
| 1949..... | 4,800 | 8,169 | 2,030 | 1,530 | 16,529 | 15,241 | 31,770 |
| 1950..... | 1,896 | 7,560 | 5,062 | 1,917 | 16,435 | 17,013 | 33,448 |
| 1951..... | 2,814 | 6,730 | 3,433 | 1,081 | 14,058 | 21,435 | 35,493 |
| 1952..... | 2,096 | 9,426 | 3,292 | 1,528 | 16,342 | 24,139 | 40,481 |
| 1953..... | 1,990 | 8,156 | 4,150 | 1,328 | 15,624 | 30,310 | 45,934 |
| 1954..... | 2,734 | 9,254 | 5,167 | 873 | 18,028 | 34,459 | 52,487 |
| 1955..... | 3,045 | 12,137 | 8,766 | 1,316 | 25,264 | 48,283 | 73,547 |
| 1956..... | 2,113 | 10,475 | 1,254 | 2,297 | 16,139 | 48,604 | 64,743 |
| 1957..... | 2,212 | 11,687 | 12,776 | 1,259 | 27,934 | 50,013 | 77,947 |
| 1958..... | 1,831 | 12,592 | 1,890 | 962 | 17,275 | 62,048 | 79,323 |

"Other" Represents Island, Township and Electoral Maps

"National Topographic", except those for official use, are for resale.

DIVISION OF TIMBER

The first timber sales were made in Ontario in 1826, previous to this date the only persons authorized to cut timber on public lands were contractors for the Royal Navy, or those holding licences for them. In 1827 the system of sale of timber licences by public auction at a lump sum bonus price in addition to Crown dues was established, this system for the sale of Crown timber licences remained generally unchanged until 1903. From 1903 to 1924, timber sales were made on a basis of bid per thousand feet board measure or other unit of measure over and above Crown dues at which it could be sold, with prices tendered above the Crown dues and upset price being considered as bid price, this in general is the basis for the present sales.

From 1826 to Confederation there was a total area of 12,000 square miles under timber licence, from which \$100,000.00 was collected for bonus. During the period 1866 to 1903, when the last lump sum bonus sale was made, an additional 12,000 square miles was placed under licence, the average bonus received on these sales was about \$2,000.00 per square mile.

The Doyle Rule was the recognized rule for measuring timber sales in Ontario from 1879 to 1953 at which time the Ontario Rule was adopted.

The fiscal year 1908-1909 shows the largest cut of red and white pine in Ontario's history, that year 192,000,000 cu. ft. were cut, since that time the cut has gradually been reduced.

Up until 1935 the management of timber resources in the field was looked after by Crown Timber Agents who dealt with Head Office direct, since that time all phases of Forest Management have been under the control of the District Forester in each District.

In 1946 the Division of Timber Management commenced a survey of the exploitable forest resources of the Province. Since that date 284,908 square miles have been

aerial photographed, 249,155 square miles planimetric mapped, 35,753 square miles photo mapped, and has field sampled 138,759 square miles, in addition to this, companies have supplied forest data on 80,000 square miles which has been incorporated into the inventory material from which Inventory Reports have been published on 20 Districts.

Cull studies, and growth and yield studies have been carried out in most of the Districts within the Province under the Forest Resources Inventory program, publications covering the results of these surveys are being prepared.

LICENSED AREAS, 1947-1954

| Year | Number of Licences | Timber Licences Area | Pulpwood and Timber Agreements | Total of Area Licensed |
|-----------|-----------------------|----------------------------|--------------------------------------|------------------------------|
| | | | | sq. mi. |
| 1947..... | 906 | 11,710 | 56,745 | 68,455 |
| 1948..... | 945 | 12,095 | 66,254 | 78,349 |
| 1949..... | 906 | 11,975 | 66,980 | 78,955 |
| 1950..... | 849 | 11,913 | 69,860 | 81,773 |
| 1951..... | 811 | 10,810 | 74,257 | 85,067 |
| 1952..... | 815 | 10,892 | 83,316 | 94,208 |
| 1953..... | 793 | 10,802 | 87,007 | 97,809 |
| 1954..... | 763 | 11,292 | 87,007 | 98,299 |

TIMBER LICENCES CLASSIFIED IN ACCORDANCE WITH THE CROWN TIMBER ACT, 1952 As of March 31st

| Year | Number of Licences | Area Under Section 2 | Area Under Section 3 | Area Under Section 4 | Total Area Licensed |
|-----------|-----------------------|----------------------------|----------------------------|----------------------------|---------------------------|
| 1955..... | 731 | 6,435.50 | 85,075.40 | 21.10 | 91,532.00 |
| 1956..... | 748 | 6,140.05 | 88,273.71 | 170.26 | 94,585.02 |
| 1957..... | 604 | 5,600.65 | 89,952.49 | 200.94 | 95,754.08 |
| 1958..... | 586 | 5,354.80 | 98,149.46 | 181.33 | 103,685.59 |

MILLS LICENSED, 1947-1954

| Year | Sawmills Under 5M Feet | Sawmills 5M To 30M Feet | Sawmills Over 30M Feet | Pulp Mills And/Or Paper Mills |
|-----------|------------------------------|-------------------------------|------------------------------|-------------------------------------|
| 1947..... | 506 | 655 | 42 | 35 |
| 1948..... | 544 | 661 | 49 | 35 |
| 1949..... | 562 | 681 | 40 | 35 |
| 1950..... | 597 | 713 | 43 | 35 |
| 1951..... | 667 | 682 | 53 | 35 |
| 1952..... | 640 | 676 | 58 | 35 |
| 1953..... | 624 | 681 | 58 | 31 |
| 1954..... | 631 | 642 | 56 | 29 |

MILL LICENCES CLASSIFIED IN ACCORDANCE WITH THE CROWN TIMBER ACT, 1952 As of March 31st

| Year | Sawmills Under 10,000 ft. Daily Capacity | Sawmills From 10-50,000 ft. Daily Capacity | Sawmills Over 50,000 ft. Daily Capacity | Pulp Mills and/or Paper Mills | Total of Mills Licensed |
|-----------|--|--|---|--|-------------------------------|
| 1955..... | 1,120 | 159 | 58 | 29 | 1,366 |
| 1956..... | 1,115 | 162 | 59 | 29 | 1,365 |
| 1957..... | 1,120 | 160 | 57 | 29 | 1,366 |
| 1958..... | 1,124 | 158 | 57 | 29 | 1,368 |

VOLUME OF WOOD CUT IN ONTARIO (000's Cubic Feet in Years Ending March 31st)

| SPECIES | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 |
|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| SOFTWOOD | | | | | | | | | | | | |
| Balsam..... | 15,146 | 11,563 | 15,003 | 13,802 | 9,418 | 12,547 | 16,057 | 11,860 | 13,223 | 14,093 | 14,374 | 13,766 |
| Cedar..... | 77 | 139 | 180 | 126 | 127 | 96 | 234 | 197 | 97 | 738 | 459 | 284 |
| Hemlock..... | 5,462 | 5,731 | 5,272 | 6,299 | 5,753 | 6,679 | 8,933 | 5,808 | 4,368 | 3,872 | 5,321 | 5,050 |
| Jack Pine..... | 62,712 | 78,964 | 85,545 | 81,862 | 58,175 | 85,604 | 108,859 | 81,644 | 75,488 | 81,779 | 88,664 | 99,997 |
| R & W Pine.... | 30,550 | 25,614 | 26,315 | 30,459 | 25,586 | 30,605 | 34,334 | 34,562 | 27,612 | 30,528 | 33,679 | 32,321 |
| Spruce..... | 193,286 | 188,645 | 208,678 | 174,652 | 134,310 | 207,318 | 251,831 | 155,873 | 163,447 | 175,666 | 205,320 | 207,392 |
| Tamarac..... | 7 | 4 | 7 | 16 | 10 | 7 | 10 | 12 | 16 | 25 | 102 | 56 |
| Fuelwood..... | 944 | 1,185 | 1,951 | 1,546 | 719 | 673 | 4,677 | 3,396 | 2,354 | 3,001 | 2,401 | 2,536 |
| Others..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 22 | 32 | 22 |
| TOTAL..... | 308,184 | 311,845 | 342,951 | 308,761 | 234,098 | 343,530 | 424,936 | 293,352 | 286,605 | 309,724 | 348,352 | 361,424 |
| HARDWOOD | | | | | | | | | | | | |
| Birch..... | 3,214 | 4,092 | 4,764 | 5,541 | 6,303 | 6,679 | 7,892 | 8,623 | 8,589 | 7,506 | 7,437 | 7,627 |
| Maple..... | 1,527 | 1,797 | 2,053 | 2,499 | 1,976 | 2,361 | 3,592 | 3,043 | 2,207 | 2,265 | 4,441 | 3,989 |
| Poplar..... | 6,087 | 14,190 | 11,576 | 13,653 | 6,036 | 12,478 | 22,049 | 14,272 | 15,756 | 12,955 | 16,921 | 19,244 |
| Fuelwood..... | 836 | 1,020 | 1,652 | 1,054 | 1,166 | 568 | 1,530 | 1,577 | 1,293 | 1,802 | 1,813 | 1,982 |
| Others..... | 964 | 580 | 1,755 | 1,061 | 1,148 | 1,145 | 1,335 | 968 | 691 | 552 | 924 | 789 |
| TOTAL..... | 12,628 | 21,679 | 21,780 | 23,807 | 16,628 | 23,231 | 36,398 | 28,483 | 28,536 | 25,081 | 31,536 | 33,630 |
| TOTAL CUT.. | 320,812 | 333,524 | 364,751 | 332,568 | 250,727 | 366,761 | 461,334 | 321,835 | 315,141 | 334,806 | 379,888 | 395,054 |

(Export Levy Not Included)

TOTAL VALUE

in \$000.....

..... 10,428 10,756 11,473 12,039 13,363

REFORESTATION BRANCH

Reforestation was first undertaken by the Ontario Government in 1905 when a small quantity of seedlings was grown at the Ontario Agricultural College at Guelph for use in reforesting waste lands. This nursery was transferred to St. Williams when the first Forest Station was established therein 1908. The program was developed under the Ontario Forestry Branch in charge of Dr. E. J. Zavitz, who became Chief of the new Division of Reforestation when the Department of Lands and Forests was reorganized in May, 1941.

In the administrative structural changes announced on December 1st, 1957, the Division of Reforestation was consolidated with the Division of Timber and became the Reforestation Branch.

The main function of the Branch is the restocking of forest lands by sowing seed and planting trees to protect water supplies and soil, to provide habitat for game and fish, and to sustain the forest and allied industries, for the general benefit and welfare of present and future generations in the Province.

The Branch's services are available for private lands although The Forestry Act, 1952, limits the purposes and areas for which nursery stock may be furnished and imposes charges to be made for trees furnished in respect of such lands.

REFORESTATION ESTABLISHMENTS

As at March 31st, 1958

| SEED PLANTS | YEAR ESTABLISHED |
|------------------------|---------------------|
| Angus | 1923 |
| St. Williams | 1908 |

NURSERIES

| | |
|----------------------------|------|
| Chapleau | 1956 |
| Englehart | 1955 |
| Fort William | 1946 |
| Gogama | 1956 |
| Kemptville | 1946 |
| Midhurst | 1922 |
| North Bay | 1954 |
| Orono | 1922 |
| Sault Ste. Marie | 1956 |
| St. Williams | 1908 |
| White River | 1956 |

DEMONSTRATION FORESTS

| | |
|--|------|
| Angus | 1923 |
| Bloomfield (Sand Banks Forest) | 1920 |
| Elizabethville (Prouse Forest) | 1946 |
| Fort William | 1946 |
| Kemptville | 1946 |
| Midhurst | 1922 |
| Orono | 1922 |
| St. Thomas (McKay Forest) | 1940 |
| St. Williams | 1908 |
| Speyside | 1942 |

DISPOSITION OF NURSERY STOCK

In Year Ended March 31st, 1958

| | |
|--|------------|
| Planted on Crown Lands | 9,812,131 |
| Planted in Forests Managed by the Minister | 3,267,310 |
| Supplies to Owners of Private Lands | 12,523,099 |
| Educational and Scientific Purposes | 14,960 |
| Miscellany, Departmental Exhibits, etc. | 227,962 |
| Stores at Planting Sites, etc. | 8,800 |
| TOTAL | 25,854,262 |

**SUMMARY OF NURSERY STOCK FURNISHED
FROM NURSERIES OPERATED BY
THE DEPARTMENT**

| PERIOD | TOTAL TREES |
|---------------------|-----------------|
| 1905-1912 | 1,480,539 |
| 1913-1925 | 13,096,866 |
| 1926 | 4,433,409 |
| 1927 | 7,104,319 |
| 1928 | 11,138,985 |
| 1929 | 12,789,568 |
| 1930 | 11,175,894 |
| 1931 | 11,846,920 |
| 1932 | 10,303,569 |
| 1933 | 9,422,463 |
| 1934 | 9,760,730 |
| 1935 | 10,663,155 |
| 1936 | 10,109,772 |
| 1937 | 11,261,644 |
| 1938 | 12,339,993 |
| 1939 | 16,921,906 |
| 1940 | 17,266,697 |
| 1941 | 13,511,299 |
| 1942 | 11,303,187 |
| 1943 | 10,522,917 |
| 1944 | 10,999,379 |
| 1945 | 11,280,981 |
| 1946 | 13,175,575 |
| 1947 | 12,269,533 |
| 1948 | 13,049,776 |
| 1949 | 17,700,970 |
| 1950 | 19,027,807 |
| 1951-1952 | 20,749,268 |
| 1952-1953 | 24,241,754 |
| 1953-1954 | 23,448,860 |
| 1954-1955 | 25,519,383 |
| 1955-1956 | 28,351,483 |
| 1956-1957 | 31,081,112 |
| 1957-1958 | 25,854,262 |
| TOTAL | 493,203,975 |

TREES PLANTED ON CROWN LANDS IN ONTARIO

| ADMINISTRATIVE DISTRICT | 1953-54 | 1954-55 | 1955-56 | 1956-57 | 1957-58 |
|-------------------------|-----------|-----------|-----------|------------|-----------|
| Aylmer..... | 126,025 | 60,974 | 68,796 | 69,123 | 188,177 |
| Chapleau..... | 101,400 | 127,000 | 572,040 | 1,004,100 | 789,600 |
| Cochrane..... | 179,125 | 451,175 | 490,262 | 791,800 | 525,118 |
| Fort Frances..... | 20,000 | 54,250 | 94,550 | 535,000 | 629,800 |
| Geraldton..... | 129,700 | 22,500 | 18,025 | 224,600 | 363,180 |
| Gogama..... | 125,000 | 2,000 | 3,066 | 330,231 | 400,000 |
| Hespeler..... | 21,250 | 27,935 | 51,328 | 64,912 | 40,210 |
| Kapuskasing..... | 22,000 | 202,900 | 225,000 | 626,425 | 461,100 |
| Kemptville..... | 32,700 | 79,678 | 82,770 | 168,088 | 12,192 |
| Kenora..... | 29,500 | 48,800 | 143,650 | 252,200 | 243,600 |
| Lindsay..... | 288,780 | 320,124 | 496,755 | 929,760 | 709,165 |
| Maple..... | 448,551 | 377,152 | 594,734 | 311,817 | 205,713 |
| North Bay..... | 114,925 | 89,102 | 457,988 | 189,900 | 196,025 |
| Parry Sound..... | 1,141,350 | 1,077,180 | 1,052,994 | 1,188,600 | 672,984 |
| Pembroke..... | 477,325 | 1,029,100 | 1,045,500 | 1,239,300 | 598,965 |
| Port Arthur..... | 357,625 | 314,698 | 167,599 | 783,799 | 1,036,628 |
| Sault Ste. Marie..... | 941,625 | 997,472 | 874,000 | 1,474,375 | 854,840 |
| Sioux Lookout..... | 9,450 | 18,250 | 61,000 | 104,000 | 120,000 |
| Sudbury..... | 102,160 | 170,607 | 161,912 | 384,050 | 305,217 |
| Swastika..... | 106,820 | 271,000 | 471,500 | 803,050 | 747,105 |
| Tweed..... | 120,724 | 554,425 | 590,265 | 938,195 | 486,924 |
| White River..... | 20,800 | 20,110 | 23,625 | 73,450 | 209,625 |
| Toronto..... | 300 | ..... | ..... | ..... | 5,863 |
| Ranger School..... | ..... | ..... | 10,500 | 13,000 | 10,100 |
| TOTAL..... | 4,917,135 | 6,316,432 | 7,757,859 | 12,499,755 | 9,812,131 |

TREES FURNISHED FOR PLANTING ON PRIVATE LANDS

| COUNTY OR DISTRICT | 1953-54 | 1954-55 | 1955-56 | 1956-57 | 1957-58 |
|---------------------------|-----------|-----------|-----------|-----------|-----------|
| Algoma..... | 153,250 | 276,650 | 271,350 | 239,350 | 316,525 |
| Brant..... | 125,350 | 221,600 | 166,675 | 243,950 | 105,775 |
| Bruce..... | 186,900 | 202,165 | 190,150 | 121,625 | 162,100 |
| Carleton..... | 117,600 | 113,950 | 155,675 | 106,425 | 157,175 |
| Cochrane..... | 22,350 | 700 | 13,700 | 11,600 | 8,200 |
| Dufferin..... | 446,650 | 555,125 | 890,575 | 1,191,975 | 594,375 |
| Dundas..... | 47,500 | 26,975 | 49,650 | 36,800 | 43,225 |
| Durham..... | 1,557,975 | 1,271,050 | 1,558,125 | 1,294,825 | 1,078,025 |
| Elgin..... | 279,300 | 174,550 | 230,875 | 216,650 | 125,775 |
| Essex..... | 84,025 | 47,925 | 45,925 | 40,525 | 34,650 |
| Frontenac..... | 52,600 | 77,075 | 76,850 | 77,475 | 76,500 |
| Glengarry..... | 13,650 | 18,675 | 19,050 | 15,025 | 12,825 |
| Grenville..... | 48,200 | 123,100 | 51,575 | 56,700 | 62,650 |
| Grey..... | 470,875 | 628,075 | 687,950 | 569,955 | 590,375 |
| Haldimand..... | 83,650 | 63,225 | 57,050 | 52,725 | 25,000 |
| Haliburton..... | 91,425 | 111,675 | 161,250 | 162,825 | 174,525 |
| Halton..... | 375,575 | 320,775 | 275,200 | 164,700 | 150,650 |
| Hastings..... | 228,625 | 260,650 | 390,900 | 498,500 | 301,425 |
| Huron..... | 301,800 | 290,500 | 314,695 | 282,000 | 252,175 |
| Kenora..... | 1,275 | 26,500 | 9,950 | 13,850 | 8,100 |
| Kent..... | 113,850 | 107,650 | 113,975 | 119,175 | 70,575 |
| Lambton..... | 180,225 | 229,975 | 118,625 | 113,475 | 118,950 |
| Lanark..... | 138,275 | 157,100 | 177,425 | 146,775 | 178,950 |
| Leeds..... | 98,200 | 58,775 | 58,700 | 48,300 | 44,900 |
| Lennox and Addington..... | 79,075 | 50,425 | 60,500 | 103,200 | 126,400 |
| Lincoln..... | 45,075 | 49,825 | 57,800 | 48,350 | 32,800 |
| Manitoulin..... | 12,450 | 69,525 | 269,600 | 309,650 | 151,300 |

| | | | | | |
|---------------------|------------|------------|------------|------------|------------|
| Middlesex..... | 242,225 | 192,500 | 192,725 | 237,650 | 135,825 |
| Muskoka..... | 507,425 | 577,975 | 799,300 | 564,575 | 511,700 |
| Nipissing..... | 167,350 | 159,725 | 242,125 | 159,200 | 205,975 |
| Norfolk..... | 278,800 | 253,200 | 234,800 | 281,550 | 287,100 |
| Northumberland..... | 325,925 | 390,525 | 588,825 | 388,075 | 269,275 |
| Ontario..... | 581,650 | 600,600 | 635,375 | 510,475 | 528,075 |
| Oxford..... | 220,775 | 241,600 | 198,100 | 127,000 | 102,700 |
| Parry Sound..... | 696,350 | 875,275 | 1,085,300 | 909,600 | 771,325 |
| Peel..... | 426,750 | 439,175 | 333,300 | 320,275 | 349,175 |
| Perth..... | 109,650 | 115,225 | 104,325 | 133,550 | 47,500 |
| Peterborough..... | 199,525 | 258,425 | 290,900 | 241,425 | 212,250 |
| Prescott..... | 28,650 | 40,550 | 52,825 | 78,275 | 53,800 |
| Prince Edward..... | 13,450 | 24,400 | 25,400 | 17,975 | 9,675 |
| Rainy River..... | 4,200 | 1,375 | 7,275 | 36,250 | 20,100 |
| Renfrew..... | 283,525 | 282,325 | 330,600 | 264,200 | 324,100 |
| Russell..... | 18,600 | 23,950 | 16,375 | 47,125 | 54,150 |
| Simcoe..... | 2,308,350 | 2,246,075 | 1,964,500 | 1,755,850 | 1,710,525 |
| Stormont..... | 27,250 | 33,500 | 8,575 | 12,000 | 9,000 |
| Sudbury..... | 69,225 | 98,375 | 96,125 | 80,875 | 89,250 |
| Thunder Bay..... | 287,575 | 191,225 | 254,800 | 99,525 | 175,850 |
| Timiskaming..... | 5,175 | 23,375 | 32,100 | 42,050 | 47,525 |
| Victoria..... | 114,450 | 513,525 | 150,175 | 176,275 | 188,974 |
| Waterloo..... | 227,600 | 217,375 | 250,975 | 262,500 | 196,075 |
| Welland..... | 218,700 | 130,525 | 108,875 | 109,250 | 93,375 |
| Wellington..... | 577,325 | 580,925 | 647,825 | 306,250 | 485,950 |
| Wentworth..... | 245,925 | 260,925 | 313,200 | 281,325 | 198,650 |
| York..... | 646,650 | 603,175 | 797,775 | 691,825 | 441,275 |
| TOTAL..... | 14,188,800 | 14,559,040 | 16,254,270 | 14,421,330 | 12,523,099 |

TREES PLANTED ON FORESTS MANAGED BY THE MINISTER

ACREAGE TO
MARCH 31st
1958

COUNTY

| | 1953-54 | 1954-55 | 1955-56 | 1956-57 | 1957-58 |
|----------------------------------|-----------|-----------|-----------|-----------|-----------|
| Brant..... | 50.00 | | | 11,450 | |
| Bruce..... | 14,656.35 | 181,900 | 215,000 | 136,050 | 70,000 |
| Dufferin..... | 2,042.00 | 7,000 | 3,000 | 10,000 | 1,500 |
| Grey..... | 6,608.00 | 241,750 | 134,400 | 276,500 | 232,500 |
| Halton..... | 1,545.63 | 18,450 | 37,300 | 36,700 | 12,800 |
| Huron..... | 1,339.00 | 84,300 | 14,220 | 10,000 | 59,000 |
| Kent..... | 100.00 | 9,000 | 7,200 | 10,000 | |
| Lanark..... | 2,100.00 | | 58,750 | 35,925 | |
| Leeds and Grenville..... | 5,176.00 | 244,900 | 155,000 | 228,650 | 195,600 |
| Lennox and Addington..... | 786.00 | 65,100 | 3,600 | 60,000 | |
| Middlesex..... | 180.00 | 48,850 | 22,600 | 7,000 | |
| Northumberland and Durham..... | 4,894.00 | 299,638 | 250,100 | | |
| Ontario..... | 1,800.00 | | 18,400 | 20,000 | 66,000 |
| Oxford..... | 733.00 | | 43,650 | 26,600 | 17,100 |
| Prescott and Russell..... | 23,063.83 | 1,285,495 | 1,289,825 | 1,125,108 | 956,613 |
| Renfrew..... | 221.00 | | 21,400 | 30,000 | 24,000 |
| Simcoe..... | 14,513.27 | 307,200 | 401,750 | 349,950 | 333,400 |
| Stormont, Dundas, Glengarry..... | 1,524.45 | 253,925 | 85,300 | 34,500 | 10,000 |
| Victoria..... | 7,045.00 | 50,000 | 29,000 | 14,600 | 129,247 |
| Waterloo..... | 710.50 | 20,400 | 61,500 | 113,200 | 13,500 |
| Wentworth..... | 799.30 | 49,000 | 165,300 | 86,800 | 86,500 |
| York..... | 3,472.00 | 53,600 | 95,900 | 108,200 | 23,200 |
| SUB-TOTAL..... | 93,359.33 | 3,220,508 | 3,113,195 | 2,731,233 | 2,230,960 |

ACREAGE TO
MARCH 31st
1958

TOWNSHIP

1953-54 1954-55 1955-56 1956-57 1957-58

| | | | | | |
|---------------------|----------|---------|---------|---------|---------|
| Bonfield..... | 60.00 | 62,500 | ..... | ..... | ..... |
| Charlottenburg..... | ..... | ..... | ..... | 10,250 | ..... |
| Cumberland..... | 808.44 | 25,000 | 40,000 | 25,000 | 25,000 |
| Galway..... | 100.00 | 30,000 | 47,000 | ..... | ..... |
| Marlborough..... | 200.00 | ..... | 114,950 | 88,950 | 58,900 |
| Torbolton..... | 430.80 | 100,000 | 103,000 | 60,375 | 32,000 |
| SUB-TOTAL..... | 1,599.24 | 217,500 | 304,950 | 139,750 | 115,900 |

CONSERVATION AUTHORITY

| | | | | | | |
|----------------------|------------|-----------|-----------|-----------|-----------|-----------|
| Ausable..... | 2,419.00 | 73,300 | 122,800 | 51,150 | 100,675 | 159,900 |
| Big Creek..... | 1,491.00 | ..... | 59,975 | 8,500 | 66,000 | 20,600 |
| Ganaraska..... | 7,128.00 | 363,530 | 372,850 | 321,800 | 165,600 | 209,000 |
| Grand..... | 2,917.00 | 68,300 | 25,800 | 89,400 | 221,000 | 193,050 |
| Humber..... | 1,022.00 | 159,900 | 166,075 | 74,500 | 128,800 | 44,700 |
| Middle Maitland..... | 350.00 | ..... | ..... | 11,780 | 13,925 | 37,800 |
| Moir..... | 3,799.00 | 74,295 | 34,150 | 103,000 | 74,000 | 99,400 |
| Napanee..... | 4,485.00 | ..... | ..... | 20,000 | ..... | ..... |
| Otter Creek..... | 162.50 | ..... | ..... | ..... | ..... | ..... |
| Saugeen..... | 5,989.00 | 27,800 | 208,000 | 137,000 | 198,950 | 100,000 |
| Thames..... | 3,105.00 | 103,150 | 50,000 | 129,000 | 159,350 | 56,000 |
| SUB-TOTAL..... | 32,867.50 | 870,275 | 1,039,250 | 946,130 | 1,128,300 | 920,450 |
| TOTAL..... | 127,826.07 | 4,341,925 | 4,564,708 | 4,199,075 | 4,044,108 | 3,267,310 |

ONTARIO RELATED TO CANADA

| PROVINCE | AREA SQ. MILES | POPULATION 1956 | ENTERED CONFEDERATION |
|--------------------------|-------------------|--------------------|--------------------------------|
| Alberta..... | 255,285 | 1,123,116 | Sept. 1, 1905 |
| British Columbia..... | 366,255 | 1,398,464 | July 20, 1871 |
| Manitoba..... | 246,512 | 850,040 | July 15, 1870 |
| New Brunswick..... | 27,985 | 554,616 | July 1, 1867 |
| Newfoundland..... | 155,364 | 415,074 | Mar. 31, 1949 |
| Nova Scotia..... | 21,068 | 694,717 | July 1, 1867 |
| Ontario..... | 412,582 | 5,404,933 | July 1, 1867 |
| Prince Edward Island... | 2,184 | 99,285 | July 1, 1873 |
| Quebec..... | 594,860 | 4,628,378 | July 1, 1867 |
| Saskatchewan..... | 251,700 | 880,665 | Sept. 1, 1905 |
| Yukon..... | 207,076 | 12,190 | Organized June 13, 1898 |
| Northwest Territories... | 1,304,903 | 19,313 | Reconstituted Sept. 1, 1905 |

Source: Canadian Almanac, 1959.

A RECONSTRUCTION OF CANADA'S POPULATION RECORD

1851-1951*

| Year | Births | Deaths | Immigration | Emigration | Population at End of Decade | Ontario Population Since Confederation |
|--------------------|-----------|-----------|-------------|------------|-----------------------------|--|
| 1759..... | ..... | ..... | ..... | ..... | (Total White) 60,000 | ..... |
| 1851..... | ..... | ..... | ..... | ..... | 2,436,000 | ..... |
| 1851-61..... | 1,281,000 | 611,000 | 209,000 | 86,000 | 3,230,000 | ..... |
| 1861-71..... | 1,369,000 | 718,000 | 187,000 | 377,000 | 3,689,000 | 1,620,000 |
| 1871-81..... | 1,477,000 | 754,000 | 353,000 | 439,000 | 4,325,000 | 1,926,000 |
| 1881-91..... | 1,538,000 | 824,000 | 903,000 | 1,110,000 | 4,833,000 | 2,114,000 |
| 1891-01..... | 1,546,000 | 828,000 | 326,000 | 505,000 | 5,371,000 | 2,182,000 |
| 1901-11..... | 1,931,000 | 811,000 | 1,782,000 | 1,067,000 | 7,207,000 | 2,527,000 |
| 1911-21..... | 2,338,000 | 1,018,000 | 1,592,000 | 1,330,000 | 8,788,000 | 2,933,000 |
| 1921-31..... | 2,414,000 | 1,053,000 | 1,195,000 | 967,000 | 10,377,000 | 3,431,000 |
| 1931-41..... | 2,291,000 | 1,070,000 | 150,000 | 241,000 | 11,507,000 | 3,787,000 |
| 1941-51..... | 3,205,000 | 1,216,000 | 548,000 | 380,000 | 14,009,000 | 4,597,000 |
| 1955..... | ..... | ..... | ..... | ..... | 15,575,000 | 5,100,000 |
| 1956..... | ..... | ..... | ..... | ..... | 16,081,000 | 5,405,000 |
| 1959 (Jan. 1)..... | ..... | ..... | ..... | ..... | 17,284,000 | 5,887,000 |

*Taken from "The Growth of Canadian Population" by Nathan Keyfitz.

FEDERAL-PROVINCIAL CO-OPERATIVE AGREEMENTS

1. LAC SEUL WATER DIVERSION—February 28th, 1928.

The Province constructed a water dam at the outlet of Lac Seul. Total Cost: \$833,919.19.

Under the agreement:

(1) Three-fifths of cost contributed by Canada,
\$500,351.52.

Two-fifths of cost contributed by Ontario,
\$333,567.67.

(2) Canada pays to Ontario annually: five per cent interest on net outlay (\$333,567.67) and total cost of maintenance and operation of the dam. But as the water is developed (now 43.84%) Canada reduces the amount of interest payable and charges Ontario with two-fifth part of maintenance and operation costs.

By such proportion of respective amounts as the water head developed and used bears to the total developable head, due to the construction of the dam.

NOTE: Ontario recovers the reduction in interest and the proportion of maintenance and operation costs chargeable by Canada from the H.E.P.C. under existing Water Power Agreements.

2. USE OF BECKWITH ISLAND FOR GROUSE RESEARCH— October 7, 1949.

Permission by letter of Federal Department of Mines and Resources (Indian Affairs Branch) on October 7th, 1949, to use Beckwith Island for grouse research purposes by the Division of Research.

3. USE OF CERTAIN AREAS IN CAMP BORDEN FOR RE- SEARCH IN SILVICULTURE—January 12th, 1951.

Agreement between Federal Department of National Defence and Ontario Department of Lands and Forests:

(1) Use and occupy from 21st December, 1950, for observation and experiments on trees, certain areas in Camp Borden;

- (2) Ect boundary posts and housing for instruments;
- (3) Eng water and power into the area;
- (4) Ge right of entry to the area and right to use mor vehicles in the area.

4. ESTABLISHMENT, MAINTENANCE AND OPERATION OF:

- (1) Fost Insect Laboratory at Sault Ste. Marie;
- (2) Lalratory of Forest Pathology, at Maple, September 30th, 1952.

Agreement between Canada (Department of Agriculture) and Ontario (Department of Lands and Forests) replaces original agreements of 28th April, 1945, and July 5th, 1949.

- (1) Co-operation in control of forest insects and forest diseases through entomological and pathological studie;
- (2) Ontario agrees to provide, maintain, repair and heat fr the use of the Division of Forest Biology the tw laboratories;
- (3) Canada provides research personnel and equipment for the laboratories;
- (4) Preference given to forest insect and forest diseases problems of Ontario;
- (5) Result of studies, advice and assistance will be available to Ontario;
- (6) Advisory Committee to the Minister of Agriculture (Federal) and the Minister of Lands and Forests (Ontario) consists of eight members (each Minister to appoint four) with the purpose of reviewing reports and making recommendations relating to the studies by the laboratories;
- (7) Revision of agreement by a six-months' notice given by either party.

5. AGREEMENTS UNDER CANADA FORESTRY ACT

- A. December 20th, 1956, partly amended on March 27th, 1958.

Agreement between Canada (Department of Northern Affairs and National Resources) and

Ontario (Department of Lands and Forests) by which Canada undertook to share cost of:

- (1) completing forest resources inventory;
- (2) maintaining forest resources inventory;
- (3) reforesting certain crown land and other lands owned by public authorities;
- (4) establishing and maintaining nurseries.

This agreement replaces previous one of 3th January, 1952, and extends the Federal Assistance until March 31st, 1961.

The Federal share amounts to: (1) and (2) 50 per cent of total cost; (3) \$10.00 for each reforested unit (1,000 trees) by planting or \$1.00 for each reforested unit (1 acre) by seeding on unoccupied crown land; (4) 20 per cent of the cost.

5. B. June 20th, 1957. Agreement between Canada and Ontario by which Canada assists the Province to achieve adequate forest fire protection by sharing certain costs of forest fire protection with the Province.

The agreement covers fiscal years 1st April, 1957, to 31st of March, 1962.

- (1) 50 per cent of the cost of equipment for forest fire prevention, detection and suppression, forest protection communication and transportation;
- (2) 50 per cent of the cost of erecting building to be primarily used for forest fire protection;
- (3) 50 per cent of the cost of charter or employment of aircraft and vessels for forest fire protection;
- (4) 25 per cent of the cost of buildings primarily used for other purposes and partly for forest fire protection and of the construction of forest access roads.

The assistance is limited to an established Federal Government maximum amount (\$273,676.00 for 1959-60). Additional assistance may only be paid if other provinces will not qualify to receive their full maximum allotment.

6. January 16th, 1950. Fur Management Agreement between Canada (Department of Mines and Resources) and Ontario (Department of Lands and Forests) for the purpose of mutual assistance in the management and development of fur resources in order to provide better livelihood for Indians.

Agreement effective from April 1st, 1950, until March 31st, 1960. Relates to that part of the Province of Ontario lying north of the French and Mattawa Rivers. Canada shares in the cost of maintaining and extending fur management services in the amount of \$75,000 per annum. Ontario must spend at least \$150,000 annually on such services. A special Fur Management Committee (two Ontario and one Canada nominee) was created "in order to plan expenditures, advise in the development and management of fur resources within the agreement".

7. May 9th, 1958 and July 30th, 1958. Agreement by exchange of letters between the Deputy Minister of National Defence, Canada, and the Deputy Minister of Lands and Forests, Ontario, of 9th May, 1958, and 30th July, 1958, respectively. Loan of a vessel, H.M.C.S. Port Dauphine, by the Department of National Defence to the Department of Lands and Forests for Geophysical Research in Great Lakes.

No hiring charge. Ontario to take responsibility for manning, repairs and insurance of the vessel.

UNEMPLOYMENT RELIEF

FEDERAL-PROVINCIAL AGREEMENTS WHICH EXPIRED IN 1958-59

1. January 2nd, 1958 and January 17th, 1958. By exchange of letters between the Minister of Northern Affairs and National Resources (Canada), and the Minister of Lands and Forests (Ontario), Canada agreed to share 50 per cent in the cost of improvements of the Provincial Parks expended by Ontario between January 2nd and May 30th, 1958.

Purchase of land excluded. At least 50 per cent of expenditure must be used on payment of wages.
Total Assistance—\$582,792.58.

2. February 7th, 1958. Agreement between the Government of Canada and the Government of Ontario relating to Federal Assistance for the construction of forest access roads.

Canada shares 50 per cent in the cost of construction of forest access roads expended between January 2nd and June 30th, 1958. No less than 50 per cent of that cost must be expended in wages. Total Assistance—\$727,814.26.

CO-OPERATIVE AGREEMENTS IN COURSE OF NEGOTIATIONS

1. FEDERAL-PROVINCIAL FORESTRY RESEARCH AGREEMENT.

Ontario to provide and maintain working accommodation for research staff and equipment.

Canada to provide staff and equipment.

2. FEDERAL-PROVINCIAL AGREEMENT ON SILVICULTURAL AND FOREST FIRE RESEARCH.

Ontario to provide and maintain laboratory accommodation. Canada to provide research staff and equipment.

F45
7E

Forests

A

Government of
Ontario

STATISTICAL REFERENCE OF LANDS AND FORESTS ADMINISTRATION

1960



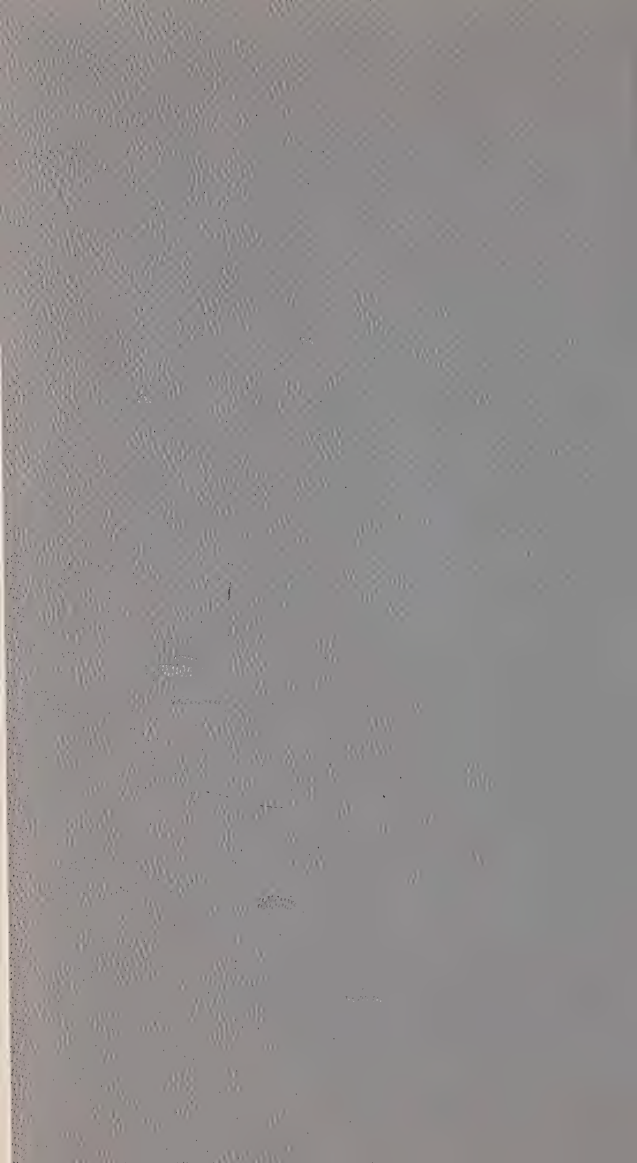
ONTARIO

DEPARTMENT OF LANDS AND FORESTS

J. W. SPOONER

ler

F. A. MACDOUGALL
Deputy Minister



FOREWORD

This booklet contains a statistical record of the Ontario Department of Lands and Forests and has been prepared for the convenience of the public.

The Department would appreciate notice of any errors.

NOTE

Owing to delays incidental to the accumulation of data annually in some parts of the administration the information herein quoted from the annual reports is for a preceding period.

Forest Protection and commercial fishing figures are by force of circumstance for the preceding calendar year.

The year columns denote the annual report in which the figures appeared.

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Premiers of Ontario Since Confederation

| | From | To |
|---------------------------------------|---------------|----------------|
| Hon. John Sandfield Macdonald..... | July 16, 1867 | Dec. 19, 1871 |
| Hon. E. Blake..... | Dec. 20, 1871 | Oct. 25, 1872 |
| Hon. Sir Oliver Mowat.. | Oct. 25, 1872 | July 9, 1896 |
| Hon. A. S. Hardy..... | July 25, 1896 | Oct. 17, 1899 |
| Hon. George W. Ross... | Oct. 21, 1899 | Feb. 7, 1905 |
| Hon. Sir J. P. Whitney.. | Feb. 8, 1905 | Sept. 25, 1914 |
| Hon. Sir Wm. Howard Hearst..... | Oct. 2, 1914 | Nov. 14, 1919 |
| Hon. Ernest Chas. Drury | Nov. 14, 1919 | July 16, 1923 |
| Hon. G. H. Ferguson.... | July 16, 1923 | Dec. 15, 1930 |
| Hon. G. S. Henry..... | Dec. 15, 1930 | July 10, 1934 |
| Hon. Mitchell F. Hepburn | July 10, 1934 | Aug. 21, 1942 |
| Hon. G. D. Conant..... | Oct. 21, 1942 | May 18, 1943 |
| Hon. H. C. Nixon..... | May 18, 1943 | Aug. 17, 1943 |
| Hon. George A. Drew... | Aug. 17, 1943 | Oct. 19, 1948 |
| Hon. Thomas L. Kennedy | Oct. 19, 1948 | May 4, 1949 |
| Hon. Leslie M. Frost.... | May 4, 1949 | |

Commissioners and Ministers During the Period 1827-28 to 1959

| | | |
|---------------------------|---------------|----------------|
| Hon. Peter Robinson.... | July 17, 1827 | July 14, 1836 |
| Hon. R. B. Sullivan..... | July 14, 1836 | June 30, 1841 |
| Hon. John Davidson.... | July 23, 1841 | Oct. 12, 1842 |
| Hon. A. N. Morin..... | Oct. 13, 1842 | Dec. 11, 1843 |
| Hon. D. B. Papineau.... | Sept. 3, 1844 | Dec. 7, 1847 |
| Sir John A. MacDonald.. | Dec. 8, 1847 | Mar. 10, 1848 |
| Hon. J. H. Price..... | Mar. 11, 1848 | Oct. 27, 1851 |
| Hon. John Rolph..... | Oct. 28, 1851 | Aug. 17, 1853 |
| Hon. Louis V. Sicotte.... | Aug. 17, 1853 | Aug. 26, 1853 |
| Hon. A. N. Morin..... | Aug. 31, 1853 | Jan. 26, 1855 |
| Hon. Jos. Cauchon..... | Jan. 27, 1855 | April 30, 1857 |
| Sir E. P. Tache..... | June 16, 1857 | Nov. 24, 1857 |
| Hon. Louis V. Sicotte.... | Nov. 25, 1857 | Aug. 1, 1858 |
| Sir A. A. Dorion..... | Aug. 2, 1858 | Aug. 6, 1858 |
| Hon. P. M. Vankoughnet | Aug. 7, 1858 | Mar. 18, 1862 |
| Hon. George Sherwood.. | Mar. 27, 1862 | May 23, 1862 |
| Hon. Wm. McDougall... | May 24, 1862 | Mar. 29, 1864 |
| Sir Alex. Campbell..... | Mar. 30, 1864 | June 30, 1867 |
| Hon. Stephen Richards.. | July 1, 1867 | July 25, 1871 |
| Sir Matthew C. Cameron. | July 25, 1871 | Dec. 21, 1871 |
| Sir Richard W. Scott.... | Dec. 21, 1871 | Nov. 30, 1873 |
| Hon. Timothy B. Pardee.. | Dec. 4, 1873 | Jan. 19, 1889 |
| Hon. Arthur S. Hardy.... | Jan. 19, 1889 | July 21, 1896 |
| Sir John M. Gibson..... | July 21, 1896 | Oct. 21, 1899 |
| Hon. E. J. Davis..... | Oct. 21, 1899 | Nov. 22, 1904 |
| Hon. A. G. McKay..... | Nov. 22, 1904 | Feb. 8, 1905 |
| Hon. J. J. Foy..... | Feb. 8, 1905 | May 13, 1905 |
| Hon. F. Cochrane..... | May 13, 1905 | Oct. 11, 1911 |
| Sir William Hearst..... | Oct. 12, 1911 | Dec. 22, 1914 |
| Hon. G. H. Ferguson.... | Dec. 22, 1914 | Nov. 13, 1919 |
| Hon. B. Bowman..... | Nov. 14, 1919 | July 11, 1923 |
| Hon. Jas. Lyons..... | July 16, 1923 | Feb. 28, 1926 |
| Hon. G. H. Ferguson.... | Feb. 28, 1926 | Oct. 18, 1926 |
| Hon. Wm. Finlayson.... | Oct. 18, 1926 | July 10, 1934 |
| Hon. Peter Heenan..... | July 10, 1934 | May 27, 1941 |
| Hon. N. O. Hipel..... | May 27, 1941 | Aug. 17, 1943 |
| Hon. W. G. Thompson.. | Aug. 17, 1943 | Nov. 28, 1946 |
| Hon. H. R. Scott..... | Nov. 28, 1946 | June 3, 1952 |
| Hon. W. S. Gemmell.... | June 3, 1952 | July 7, 1954 |
| Hon. C. E. Mapledoram.. | July 7, 1954 | July 4, 1958 |
| Hon. J. W. Spooner..... | July 23, 1958 | ..... |

Deputy Ministers Since Confederation

| | |
|-----------|-------------------|
| 1867..... | ANDREW RUSSELL |
| 1868..... | ANDREW RUSSELL |
| 1869..... | THOMAS H. JOHNSON |
| 1887..... | AUBREY WHITE |
| 1915..... | ALBERT GRIGG |
| 1921..... | WALTER CAIN |
| 1941..... | FRANK MACDOUGALL |

AUBREY WHITE was first appointed to the staff as Crown Lands Agent for part of Muskoka, on April 30, 1878, at \$500 per annum. He was a practical man who knew the bush and the country, and he was appointed Clerk in the Woods and Forest Branch, January 1, 1882, at \$1,700 per annum. Mr. Johnson died in January, 1887, and Mr. White was appointed in his stead. Mr. White's recommendations led to the first forest fire protection organization in 1885.

ALBERT GRIGG was a former Member of the Legislative Assembly from Bruce Mines, who resigned in 1921. He was an ardent dry and has been perennial mayor of Bruce Mines for many years. Pioneer stock.

WALTER CAIN was appointed Clerk in the Lands Branch by the Hon. Elihu J. Davis. He taught school, worked in saw mills and took his B.A. at Varsity while employed. After Mr. Grigg resigned, Mr. Cain was appointed acting Deputy and later confirmed in the position. He was in his day one of the Canadian Greats on the lacrosse field. Superannuated in 1941, he died in 1954.

FRANK MACDOUGALL started at the bottom. After excellent service in the Canadian Army during the 1914-1918 war he served on the temporary staff, took his degree as a Forest Engineer at Varsity, was appointed to the permanent staff, May 15, 1923, became District Forester at Sault Ste. Marie, Superintendent of Algonquin Park, obtained pilot's license, undertook special investigations, and was appointed Deputy Minister in 1941. He headed the reorganization activities of the succeeding years.

DIVISION OF ACCOUNTS

A service division in the Department, formerly known as the Accounts Branch. This Division is charged with the fundamental responsibility of accounting for the entire department, the collection of all revenue and the payment of all expenditures. Re-organized in 1942 under the direction of Mr. J. G. McMillen, accounting methods and procedures were modernized and mechanized to provide complete internal control of the department's revenue and expenditure. The Division is also responsible for the administration of The Provincial Land Tax Act and with the inclusion of the former Department of Game and Fisheries in 1946, the issuing of Fish and Wildlife licences.

The following tables will give an indication of the tremendous growth of the department over the past quarter century and the resultant increase in the accounting requirements.

DEPARTMENT OF LANDS AND FORESTS Revenue and Expenditures in Years Ending 31st March

| | REVENUE | | | EXPENDITURE | | | BALANCE |
|---------|----------------|---------------|--|-----------------|----------------|----|---------------|
| | ORDINARY | CAPITAL | | ORDINARY | CAPITAL | | |
| 1931** | \$3,949,892.39 | \$ 157,492.06 | | \$ 2,756,123.46 | \$1,225,265.79 | \$ | 125,995.20 |
| 1932 | 2,932,706.88 | 115,333.63 | | 2,397,171.42 | 639,796.66 | | 11,072.43 |
| 1933 | 2,128,974.35 | 52,077.96 | | 1,974,028.61 | 400,817.37 | * | 193,793.67 |
| 1934 | 2,327,784.94 | 54,752.73 | | 2,297,076.46 | 388,422.87 | * | 302,961.66 |
| 1935*** | 860,909.93 | 34,906.89 | | 632,683.96 | 97,656.24 | | 165,476.62 |
| 1936 | 3,476,648.75 | 88,939.50 | | 1,737,940.93 | 306,569.88 | | 1,521,077.44 |
| 1937 | 3,757,125.17 | 60,922.65 | | 2,336,151.40 | 443,491.73 | | 1,038,404.69 |
| 1938 | 4,692,016.08 | 54,921.78 | | 2,233,253.64 | 363,507.42 | | 2,150,176.80 |
| 1939 | 5,557,901.17 | 61,152.15 | | 2,790,491.27 | 407,079.83 | | 2,421,482.22 |
| 1940 | 4,629,579.91 | 76,545.53 | | 2,698,570.83 | 397,331.81 | | 1,610,222.80 |
| 1941 | 6,077,439.09 | 59,912.04 | | 2,637,270.83 | 330,059.75 | | 3,170,020.55 |
| 1942 | 6,287,161.43 | 37,339.68 | | 2,910,615.37 | 320,502.77 | | 3,093,382.97 |
| 1943 | 6,964,338.05 | 69,275.28 | | 4,072,688.46 | 3,029.42 | | 2,957,895.45 |
| 1944 | 6,567,183.32 | 130,524.24 | | 3,610,850.90 | 4,574.92 | | 3,082,281.74 |
| 1945 | 6,436,259.97 | 155,219.01 | | 4,210,648.47 | 341.95 | | 2,380,489.46 |
| 1946 | 8,321,551.84 | 193,061.14 | | 4,839,821.50 | 8,234.30 | | 3,666,557.18 |
| 1947 | 10,366,281.93 | 261,865.96 | | 7,043,267.18 | 116,523.23 | | 3,468,357.48 |
| 1948 | 10,456,251.70 | 215,151.77 | | 7,598,611.94 | ..... |  | 3,083,791.53 |
| 1949 | 11,410,352.16 | 215,884.90 | | 11,400,801.97 | ..... |  | 234,435.09 |
| 1950 | 10,921,652.37 | 677,603.32 | | 9,913,520.62 | 4,623,339.12 | * | 2,934,604.05 |
| 1951 | 10,962,465.72 | 5,351,437.91 | | 9,840,796.17 | 3,326,822.18 | | 3,149,885.28 |
| 1952 | 14,602,165.18 | 3,222,682.07 | | 10,681,717.01 | 2,196,671.93 | | 4,949,208.31 |
| 1953 | 20,621,374.56 | 2,513,325.57 | | 11,486,280.94 | 1,654,781.54 | | 10,006,812.65 |
| 1954 | 18,156,762.00 | 1,810,672.96 | | 12,608,258.47 | 800,000.00 | | 6,550,176.49 |
| 1955 | 19,146,974.96 | 178,810.09 | | 12,716,508.33 | 178,810.09 | | 6,430,466.63 |
| 1956 | 19,823,049.47 | 328,056.86 | | 17,148,523.65 | 128,297.23 | | 2,874,285.45 |
| 1957 | 20,881,873.91 | 367,501.40 | | 16,037,678.39 | 187,935.36 | | 5,023,761.56 |
| 1958 | 22,189,712.48 | 490,717.96 | | 18,733,582.62 | 280,550.13 | | 3,666,297.69 |
| 1959 | 19,512,132.50 | 725,375.25 | | 20,259,829.63 | 4,167,468.40 | | *4,189,790.28 |

**Years 1931-47 include former Department of Game and Fisheries.

***Five-month Year.

*Operating Deficit

CASH RECEIPTS (In Years Ending 31st March)

| Crown Land Leases and Licenses of Occupation | Water Power Leases | Crown Land Sales | Provincial Land Tax | Fees, Maps, etc. | Flying Fees | Re-forestation | Forest Protection |
|--|--------------------|------------------|---------------------|------------------|-------------|----------------|-------------------|
| 1931..... | 264,957.40 | | 131,851.20 | 3,298.39 | ..... | ..... | 9,988.17 |
| 1932..... | 275,230.38 | | 119,728.08 | 1,710.13 | ..... | ..... | 993.56 |
| 1933..... | 352,814.60 | | 119,135.06 | 1,811.51 | ..... | ..... | ..... |
| 1934..... | 352,549.54 | | 131,447.74 | 1,788.99 | ..... | 7,046.97 | 35,297.65 |
| 1935**..... | 107,202.87 | | 107,301.57 | 567.23 | ..... | 3,863.47 | 7,723.96 |
| 1936..... | 440,489.75 | | 131,928.13 | 1,411.77 | 13,181.73 | ..... | ..... |
| 1937..... | 48,254.57 | 377,412.80 | 178,621.85 | 1,973.26 | 54,131.33 | 8,568.26 | 23,376.30 |
| 1937..... | 51,072.60 | 80,380.93 | 234,761.42 | 2,137.50 | 19,212.96 | 9,742.67 | 23,294.96 |
| 1939..... | 60,053.31 | 70,248.55 | 129,178.01 | 2,386.96 | 11,643.18 | 8,890.46 | 23,193.24 |
| 1940..... | 65,845.86 | 406,019.17 | 133,935.87 | 1,987.47 | 6,680.04 | 4,253.89 | 28,889.28 |
| 1941..... | 67,200.44 | 402,529.44 | 169,608.77 | 2,247.14 | 4,270.05 | 5,334.99 | 38,222.77 |
| 1942..... | 68,435.03 | 571,351.76 | 146,801.88 | 3,461.64 | 5,794.32 | 5,643.14 | 38,506.02 |
| 1943..... | 61,910.54 | 628,691.25 | 146,013.91 | 3,191.91 | 10,902.02 | 5,833.50 | 40,183.09 |
| 1944..... | 99,265.07 | 648,484.87 | 158,744.95 | 2,924.52 | 6,945.96 | 8,453.36 | 28,669.50 |
| 1945..... | 84,215.20 | 618,901.26 | 175,341.55 | 4,913.34 | 19,448.31 | 26,137.92 | 22,916.40 |
| 1946..... | 87,285.38 | 609,425.12 | 209,459.44 | 9,047.68 | 12,416.85 | 10,558.66 | 26,850.25 |
| 1947..... | 95,445.89 | 654,978.77 | 204,474.57 | 11,070.65 | 25,284.13 | 19,386.47 | 30,942.78 |
| 1948..... | 104,918.41 | 680,568.56 | 185,470.29 | 13,825.05 | 15,258.36 | 25,373.17 | 46,401.74 |
| 1949..... | 113,554.42 | 694,859.07 | 217,520.66 | 17,225.04 | 8,376.00 | 25,562.25 | 53,229.92 |
| 1950..... | 112,061.86 | 759,569.67 | 242,292.14 | 18,778.07 | 6,373.00 | 1,684.71 | 48,330.64 |
| 1951..... | 120,468.42 | 811,663.96 | 322,660.63 | 19,092.24 | 10,733.90 | 153.35 | 70,706.89 |
| 1952..... | 119,562.29 | 827,937.46 | 367,695.92 | 21,773.97 | 13,407.45 | 60.40 | 38,975.29 |
| 1953..... | 140,248.29 | 1,101,125.17 | 393,236.04 | 22,722.55 | 16,710.03 | ..... | 55,473.15 |
| 1954..... | 165,642.85 | 1,293,570.18 | 562,722.77 | 23,545.76 | 11,720.41 | 128,220.21 | 30,140.84 |
| 1955..... | 178,749.02 | 1,672,735.49 | 644,960.82 | 30,660.01 | 16,360.82 | 157,891.72 | 46,268.74 |
| 1956..... | 199,833.92 | 1,539,686.19 | 687,296.11 | 39,579.23 | 16,724.19 | 216,246.77 | 46,487.37 |
| 1957..... | 235,570.84 | 1,530,748.10 | 776,789.46 | 59,633.73 | 15,267.05 | 174,278.65 | 98,384.51 |
| 1958..... | 264,851.96 | 1,553,862.70 | 810,465.62 | 62,225.41 | 12,792.93 | 160,244.40 | 96,064.82 |
| 1959..... | 280,859.77 | 1,626,974.92 | 1,114,637.82 | 84,023.85 | 13,392.59 | 146,173.44 | 76,874.63 |
| | | *** | | | 20,825.75 | 160,130.77 | 103,223.87 |

*Included in receipts from Crown Land Leases and Licenses of Occupation.

**Five-month Year.

***Taken over by Treasury Department.

DIVISION OF FISH AND WILDLIFE **Analysis of Cash Receipts in Years ending 31st March**

| | Commercial | | | Non-Res. | | |
|--------|---------------------|------------------------------------|-----------------|---------------------|------------------|--|
| | Angling Licenses | Fishing Licenses and Royalty | Gun Licenses | Hunting Licenses | Deer Licenses | |
| 1931. | 186,448.65 | 115,552.53 | 51,237.75 | 62,300.00 | 75,016.50 | |
| 1932. | 136,077.35 | 106,996.21 | 46,764.00 | 46,420.00 | 64,961.10 | |
| 1933. | 121,981.18 | 100,740.85 | 75,760.80 | 35,080.00 | 50,257.50 | |
| 1934. | 128,472.22 | 100,988.68 | 59,214.25 | 25,799.55 | 47,263.70 | |
| 1935*. | 7,338.85 | 50,345.57 | 39,564.72 | 30,315.45 | 48,684.40 | |
| 1936. | 200,641.65 | 96,981.60 | 69,635.93 | 53,080.00 | 56,544.05 | |
| 1937. | 272,690.50 | 111,450.44 | 71,526.01 | 73,937.50 | 59,351.25 | |
| 1938. | 331,430.45 | 114,258.61 | 77,780.81 | 92,370.00 | 72,320.10 | |
| 1939. | 339,450.05 | 102,087.87 | 95,788.45 | 80,415.00 | 83,526.55 | |
| 1940. | 391,504.00 | 98,998.09 | 94,882.18 | 84,590.00 | 81,882.00 | |
| 1941. | 384,675.00 | 97,980.22 | 86,527.85 | 84,265.00 | 77,469.40 | |
| 1942. | 476,519.95 | 98,110.03 | 97,768.84 | 124,365.00 | 94,923.90 | |
| 1943. | 306,263.85 | 84,507.32 | 102,244.96 | 93,245.00 | 118,083.55 | |
| 1944. | 288,685.00 | 103,143.45 | 75,152.65 | 89,450.00 | 115,395.90 | |
| 1945. | 412,073.30 | 99,818.61 | 79,389.64 | 115,590.00 | 117,004.70 | |
| 1946. | 605,320.60 | 103,104.97 | 110,252.51 | 218,855.00 | 166,635.20 | |
| 1947. | 1,000,866.37 | 109,472.85 | 132,906.53 | 361,887.20 | 196,548.80 | |
| 1948. | 1,156,904.16 | 110,704.94 | 146,601.42 | 453,789.53 | 205,826.80 | |
| 1949. | 1,350,500.93 | 116,597.30 | 160,378.15 | 468,705.05 | 237,707.05 | |
| 1950. | 1,450,180.46 | 115,344.46 | 178,016.26 | 364,921.85 | 242,208.18 | |
| 1951. | 1,637,775.06 | 121,688.19 | 183,669.56 | 401,490.40 | 264,880.50 | |
| 1952. | 1,868,745.89 | 135,254.98 | 205,882.29 | 340,254.90 | 293,944.96 | |
| 1953. | 1,949,891.58 | 140,050.77 | 230,147.23 | 156,913.31 | 348,664.53 | |
| 1954. | 2,086,074.01 | 112,853.57 | 218,887.59 | 447,365.61 | 355,910.72 | |
| 1955. | 2,204,667.51 | 116,794.69 | 234,296.34 | 453,643.44 | 364,081.94 | |
| 1956. | 2,279,335.59 | 106,779.72 | 250,758.18 | 513,088.28 | 405,200.92 | |
| 1957. | 2,294,761.04 | 117,265.92 | 244,431.38 | 545,979.18 | 400,272.03 | |
| 1958. | 2,431,976.75 | 105,666.72 | 267,922.15 | 563,004.32 | 415,920.32 | |
| 1959. | 2,337,425.23 | 95,726.71 | 292,712.93 | 588,851.80 | 459,439.50 | |

Revenue for Years 1931-1947 inclusive, from Department of Game and Fisheries.

*Five-month year.

DIVISION OF FISH AND WILDLIFE

Analysis of Cash Receipts in Years ending 31st March

| | Moose Licenses | Trapping Licenses & Royalty | Fur Dealers, Fur Farmers, Tanners & Cold Storage Licenses | Tourist Outfitters Licenses | Other | Total |
|-----------|-------------------|-----------------------------------|--|-----------------------------------|------------|--------------|
| 1931..... | 7,953.00 | 131,370.45 | 39,412.00 | ..... | 46,171.95 | 715,462.83 |
| 1932..... | 6,242.50 | 130,574.08 | 37,758.00 | ..... | 37,991.46 | 613,764.76 |
| 1933..... | 5,219.50 | 117,053.57 | 38,078.10 | ..... | 27,485.85 | 571,657.35 |
| 1934..... | 3,162.50 | 121,685.90 | 36,785.50 | ..... | 21,366.17 | 544,738.47 |
| 1935* | 2,194.50 | 48,378.05 | 20,341.00 | ..... | 11,185.50 | 258,348.04 |
| 1936..... | 2,728.00 | 139,199.55 | 34,405.00 | ..... | 30,722.94 | 683,938.72 |
| 1937..... | 2,981.00 | 109,201.95 | 37,395.50 | 4,950.00 | 41,982.24 | 785,466.30 |
| 1938..... | 3,179.00 | 92,800.30 | 36,473.25 | 5,790.00 | 42,078.37 | 868,480.89 |
| 1939..... | 2,574.00 | 100,330.05 | 31,904.75 | 6,855.00 | 71,543.52 | 914,475.24 |
| 1940..... | 2,733.50 | 156,292.70 | 35,297.50 | 7,445.00 | 61,725.85 | 1,015,350.82 |
| 1941..... | 2,948.00 | 137,394.68 | 36,298.50 | 7,345.00 | 69,897.04 | 984,800.69 |
| 1942..... | 3,278.00 | 175,815.10 | 36,117.00 | 7,840.00 | 68,531.47 | 1,183,269.29 |
| 1943..... | 4,372.50 | 161,634.60 | 32,877.00 | 6,565.00 | 52,557.11 | 962,350.89 |
| 1944..... | 4,697.00 | 195,286.20 | 36,853.00 | 5,990.00 | 60,419.40 | 975,072.60 |
| 1945..... | 4,812.50 | 247,562.30 | 37,263.00 | 6,510.00 | 73,009.67 | 1,193,033.72 |
| 1946..... | 7,051.00 | 277,768.10 | 44,509.00 | 8,435.00 | 109,234.28 | 1,651,165.66 |
| 1947..... | 9,316.45 | 274,138.90 | 43,162.00 | 7,290.00 | 112,611.55 | 2,248,200.65 |
| 1948..... | 11,878.25 | 206,514.45 | 41,251.00 | 10,872.25 | 87,190.62 | 2,431,533.42 |
| 1949..... | 16,787.39 | 328,171.15 | 38,911.00 | 13,897.50 | 96,118.41 | 2,827,773.93 |
| 1950..... | 352.21 | 293,426.32 | 34,449.15 | 16,192.76 | 95,619.17 | 2,790,710.82 |
| 1951..... | ..... | 321,697.57 | 32,606.03 | 16,339.87 | 101,944.22 | 3,082,091.40 |
| 1952..... | ..... | 341,663.82 | 29,633.97 | 21,234.44 | 104,564.63 | 3,341,179.88 |
| 1953..... | 33,487.00 | 398,604.16 | 27,098.00 | 18,120.83 | 106,937.77 | 3,409,915.18 |
| 1954..... | 52,464.00 | 353,005.27 | 21,873.00 | 20,455.00 | 131,846.65 | 3,800,735.42 |
| 1955..... | 73,460.00 | 343,220.21 | 22,783.10 | 17,401.94 | 158,906.45 | 3,989,255.62 |
| 1956..... | 90,040.00 | 317,051.99 | 20,309.00 | 19,419.44 | 152,730.39 | 4,154,714.41 |
| 1957..... | 134,210.00 | 272,951.95 | 17,425.00 | 20,470.56 | 158,060.16 | 4,205,827.22 |
| 1958..... | 173,650.00 | 277,800.15 | 15,963.00 | 23,560.00 | 159,068.07 | 4,434,531.48 |
| 1959..... | 214,664.00 | 268,275.99 | 9,083.00 | 16,290.00 | 157,354.61 | 4,439,823.77 |

*Five-month year.

Revenue for Years 1931-1947 inclusive from Department of Game and Fisheries.

PROVINCIAL PARKS * Analysis of Cash Receipts in Years Ending 31st March

| Year | Algonquin Rentals | Rondeau Rentals | Total Rentals | Vehicle Permits | Boat Permits | Campers' Permits | Hunting Fees | Non-Res. Guide Permits | Misc. | Total |
|-------------|----------------------|--------------------|------------------|--------------------|-----------------|---------------------|-----------------|------------------------------|-----------|------------|
| 1931..... | 5,024.83 | 9,935.43 | 20,169.21 | ..... | ..... | ..... | ..... | ..... | 22,625.31 | 42,794.52 |
| 1932..... | 4,348.89 | 9,739.99 | 19,393.00 | ..... | ..... | ..... | ..... | ..... | 15,286.35 | 34,679.35 |
| 1933..... | 5,123.36 | 9,286.26 | 21,567.79 | ..... | ..... | ..... | ..... | ..... | 9,934.19 | 31,501.98 |
| 1934..... | 5,289.81 | 9,057.73 | 23,366.61 | ..... | ..... | ..... | ..... | ..... | 16,504.65 | 39,871.26 |
| 1935**..... | 2,912.33 | 1,423.43 | 6,955.31 | ..... | ..... | ..... | ..... | ..... | 5,565.23 | 12,520.54 |
| 1936..... | 5,059.21 | 10,078.06 | 24,116.88 | ..... | ..... | ..... | ..... | ..... | 28,154.29 | 52,271.17 |
| 1937..... | 6,920.20 | 9,729.26 | 25,364.91 | ..... | ..... | ..... | ..... | ..... | 31,062.64 | 56,427.55 |
| 1938..... | 6,858.92 | 9,637.23 | 27,329.53 | ..... | ..... | ..... | ..... | ..... | 35,609.89 | 62,939.42 |
| 1939..... | 8,161.76 | 8,779.56 | 26,337.06 | ..... | ..... | ..... | ..... | ..... | 32,915.52 | 59,252.58 |
| 1940..... | 7,259.77 | 10,307.55 | 27,510.36 | ..... | ..... | ..... | ..... | ..... | 31,087.88 | 58,598.24 |
| 1941..... | 8,250.63 | 9,805.42 | 27,378.58 | ..... | ..... | ..... | ..... | ..... | 25,825.09 | 53,203.67 |
| 1942..... | 7,837.88 | 10,193.39 | 27,101.13 | ..... | ..... | ..... | ..... | ..... | 27,500.77 | 54,601.90 |
| 1943..... | 4,931.03 | 9,236.07 | 18,975.18 | ..... | ..... | ..... | ..... | ..... | 23,731.10 | 42,706.28 |
| 1944..... | 9,258.04 | 10,086.14 | 27,844.46 | ..... | ..... | ..... | ..... | ..... | 24,704.21 | 52,548.67 |
| 1945..... | 7,399.31 | 10,695.44 | 23,699.15 | ..... | ..... | ..... | ..... | ..... | 24,491.79 | 48,190.94 |
| 1946..... | 8,494.15 | 11,665.83 | 23,943.43 | ..... | ..... | ..... | ..... | ..... | 27,981.17 | 51,924.60 |
| 1947..... | 9,355.82 | 12,950.03 | 25,813.88 | ..... | ..... | ..... | ..... | ..... | 39,863.58 | 65,677.46 |
| 1948..... | 9,344.59 | 14,118.11 | 28,583.80 | ..... | ..... | ..... | ..... | ..... | 28,083.36 | 56,667.16 |
| 1949..... | 13,932.15 | 22,007.79 | 38,292.13 | ..... | ..... | ..... | ..... | ..... | 24,174.99 | 62,467.12 |
| 1950..... | 13,636.73 | 15,305.09 | 31,704.41 | ..... | ..... | ..... | ..... | ..... | 20,530.35 | 52,234.76 |
| 1951..... | 15,088.80 | 15,656.96 | 32,302.53 | ..... | ..... | ..... | ..... | ..... | 21,357.95 | 53,660.48 |
| 1952..... | 14,512.29 | 16,476.83 | 32,021.18 | ..... | ..... | ..... | ..... | ..... | 22,943.18 | 54,964.36 |
| 1953..... | 14,648.91 | 17,267.89 | 33,108.18 | ..... | ..... | ..... | ..... | ..... | 19,254.41 | 52,362.59 |
| 1954..... | 18,675.88 | 19,196.58 | 39,459.71 | ..... | ..... | ..... | ..... | ..... | 12,724.46 | 52,184.17 |
| 1955..... | 17,474.13 | 22,187.79 | 42,822.27 | ..... | ..... | ..... | ..... | ..... | 13,412.76 | 56,235.03 |
| 1956..... | 19,349.43 | 22,210.24 | 42,611.67 | ..... | ..... | ..... | ..... | ..... | 34,376.58 | 76,988.25 |
| 1957..... | 13,979.14 | 21,833.80 | 64,799.79 | ..... | 2,287.00 | 45,612.75 | 2,484.00 | 2,350.00 | 5,887.12 | 123,420.66 |
| 1958..... | 14,572.09 | 21,013.24 | 51,066.48 | 148,488.20 | 1,662.00 | 78,462.25 | 2,825.00 | 2,175.00 | 10,720.90 | 295,399.83 |
| 1959..... | 23,221.85 | 23,539.23 | 62,127.92 | 207,751.00 | 2,022.00 | 124,137.05 | 2,999.00 | 2,775.00 | 19,384.83 | 421,196.80 |

*Under Division of Parks since 1956.

**Five-month year.

DIVISION OF TIMBER **Analysis of Cash Receipts in Years ending 31st March**

| | Timber Dues and Bonus | Ground Rent | Fire Tax | Other Receipts | Total Receipts |
|--------------------------|--------------------------|-------------|--------------|----------------|----------------|
| 1931..... | 2,649,017.21 | 85,325.15 | 304,843.00* | 1,956.34 | 3,041,141.70 |
| 1932..... | 1,759,711.11 | 73,801.07 | 270,515.42* | 1,480.25 | 2,105,507.85 |
| 1933..... | 961,119.91 | 72,337.36 | 275,355.95* | 771.01 | 1,309,584.23 |
| 1934..... | 1,111,095.31 | 95,733.43 | 296,241.83 | 32,132.32 | 1,815,462.54 |
| 1935 (5 Mos.)..... | 359,018.34 | 6,764.61 | 280,259.65* | 898.00 | 376,576.80 |
| 1936..... | 2,070,654.87 | 76,730.34 | 9,895.85* | 2,433.18 | 2,570,245.95 |
| 1937..... | 2,180,583.48 | 104,692.15 | 473,859.35* | 45,508.22 | 2,804,643.20 |
| 1938..... | 2,928,504.94 | 88,163.13 | 416,144.68* | 4,751.21 | 3,437,563.96 |
| 1939..... | 3,351,304.55 | 76,282.39 | 409,546.33 | 74,939.24 | 3,912,072.51 |
| 1940..... | 2,300,307.53 | 88,036.46 | 428,271.15 | 47,146.57 | 2,863,761.71 |
| 1941..... | 3,404,708.57 | 136,626.71 | 543,522.19 | 68,379.73 | 4,153,237.20 |
| 1942..... | 3,695,167.49 | 79,370.11 | 276,577.26 | 71,461.64 | 4,122,576.50 |
| 1943 (Not Analysed)..... | ..... | ..... | ..... | ..... | 4,982,281.03 |
| 1944 (Not Analysed)..... | ..... | ..... | ..... | ..... | 4,561,733.49 |
| 1945..... | 3,606,191.54 | 117,396.26 | 436,395.41 | 81,597.79 | 4,241,581.00 |
| 1946..... | 4,947,915.12 | 115,299.49 | 419,322.89 | 72,243.81 | 5,554,781.31 |
| 1947..... | 6,175,443.93 | 125,060.70 | 461,163.51 | 182,436.25 | 6,944,104.39 |
| 1948..... | 6,093,409.64 | 126,875.25 | 456,443.81 | 178,302.28 | 6,855,030.98 |
| 1949..... | 6,899,106.93 | 108,934.25 | 440,010.56 | 115,761.63** | 7,332,290.11 |
| 1950..... | 6,146,884.32 | 112,139.00 | 485,313.46 | 44,898.26 | 6,789,235.04 |
| 1951..... | 5,269,278.71 | 116,641.52 | 1,007,661.97 | 67,521.04 | 6,461,103.24 |
| 1952..... | 8,324,529.10 | 114,196.50 | 1,010,554.47 | 51,585.03 | 9,500,865.10 |
| 1953..... | 13,718,338.94 | 123,366.41 | 1,175,775.93 | 100,219.59 | 15,117,700.87 |
| 1954..... | 10,225,154.88 | 79,831.50 | 1,052,634.61 | 8,839.38 | 11,396,460.37 |
| 1955..... | 10,834,113.77 | 76,019.46 | 945,953.21 | 71,591.78 | 11,927,678.22 |
| 1956..... | 11,667,002.82 | 76,234.00 | 971,517.29 | 8,023.81** | 12,706,730.30 |
| 1957..... | 12,332,778.27 | 80,786.20 | 1,091,659.16 | 51,344.11 | 13,556,567.74 |
| 1958..... | 13,333,502.64 | 81,098.00 | 1,041,836.51 | 25,428.76** | 14,431,008.39 |
| 1959..... | 11,382,444.87 | 84,468.00 | 1,085,027.40 | 31,939.91** | 12,520,000.36 |

*Applied as Refund to Expenditure on Forest Ranging.

**Refund of Deposits in Excess of Cash Receipts.

DIVISION OF FISH AND WILDLIFE

Though game and fish resources were of considerable concern to the Commissioner of Crown Lands during the period when Upper and Lower Canada were united, they had not the significance that they attained when the Department of Game and Fisheries was formed under different departments from time to time until the annual report for 1888-89 intimated that the control and management of fisheries was placed under the Crown Lands Department. In the following year the game laws were amended and in 1897 the Commissioner reported that the fishing service had been transferred to the Attorney General.

Under a variety of Ministers from time to time the Game and Fisheries organizations developed until 1946 when, because of its importance as one of the main features of replaceable natural resources, it was included as a Division of the Department of Lands and Forests where control of all replaceable natural resources now rests.

As Chief of the new Division Dr. W. J. K. Harkness, a widely recognized authority, was appointed and proceeded with the extension of the work of conserving these resources. The tables herein reveal something of its magnitude.

BOUNTIES PAID IN YEARS ENDING 31st MARCH

BEAR BOUNTY

WOLF BOUNTY

| Year | 12 mts. and over \$10 each | Under 12 mts. \$5 each | Total Amount Paid | Timber | Brush | Pups | Total | Total Amount Paid |
|-----------|----------------------------------|------------------------------|-------------------------|--------|-------|------|-------|-------------------------|
| 1943..... | .... | .... | ..... | 935 | 497 | 32 | 1,464 | \$33,607 |
| 1944..... | .... | .... | ..... | 1,302 | 731 | 32 | 2,065 | 45,546 |
| 1945..... | .... | .... | ..... | 1,321 | 665 | 12 | 1,998 | 45,994 |
| 1946..... | .... | .... | ..... | 1,266 | 777 | 30 | 2,073 | 45,000 |
| 1947..... | 959 | 73 | \$9,735 | 1,440 | 1,182 | 42 | 2,664 | 59,275 |
| 1948..... | 509 | 17 | 5,095 | 1,515 | 961 | 74 | 2,540 | 54,923 |
| 1949..... | 592 | 67 | 6,035 | 1,581 | 1,062 | 84 | 2,727 | 57,977 |
| 1950..... | 803 | 122 | 8,530 | 1,613 | 890 | 41 | 2,544 | 56,927 |
| 1951..... | 453 | 47 | 4,645 | 1,405 | 651 | 44 | 2,100 | 46,457 |
| 1952..... | 408 | 29 | 4,180 | 1,198 | 634 | 63 | 1,895 | 41,803 |
| 1953..... | 662 | 57 | 6,805 | 1,313 | 739 | 68 | 2,120 | 46,550 |
| 1954..... | 947 | 145 | 10,000 | 1,101 | 720 | 70 | 1,891 | 41,853 |
| 1955..... | 1,126 | 99 | 11,590 | 1,075 | 620 | 41 | 1,736 | 38,703 |
| 1956..... | 614 | 50 | 6,310 | 1,088 | 559 | 28 | 1,675 | 37,550 |
| 1957..... | 611 | 50 | 6,225 | 1,195 | 486 | 71 | 1,752 | 38,950 |
| 1958..... | 1,568 | 300 | 16,930 | 1,047 | 574 | 34 | 1,655 | 37,255 |
| 1959..... | 1,084 | 116 | 11,145 | 1,169 | 606 | 49 | 1,824 | 41,589 |

BREEDING STOCK ON LICENSED FUR FARMS IN YEARS ENDING 1st JANUARY

| | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 |
|----------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| Fox | | | | | | | | | | | | | |
| Blue..... | 1,283 | 1,276 | 1,450 | 385 | 256 | 200 | 75 | 56 | 68 | 70 | 81 | 56 | 57 |
| Cross..... | 47 | 36 | 23 | 11 | 10 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | ..... |
| Pearl Platinum.... | ..... | 378 | 368 | 565 | 476 | 449 | 349 | 294 | 230 | 251 | 155 | 119 | ..... |
| Platinum..... | 2,382 | 3,133 | 2,437 | 1,549 | 903 | 559 | 267 | 159 | 136 | 136 | 108 | 105 | 186 |
| Red..... | 110 | 94 | 38 | 23 | 30 | 11 | 6 | 1 | 3 | 4 | 6 | 7 | 12 |
| Standard Silver.... | 10,772 | 9,400 | 6,654 | 5,016 | 3,391 | 2,813 | 1,567 | 760 | 583 | 456 | 239 | 166 | 150 |
| White Marked.... | 3,115 | 3,184 | 1,691 | 931 | 385 | 226 | 111 | 50 | 26 | 16 | 9 | 6 | ..... |
| TOTAL..... | 17,709 | 17,501 | 12,661 | 8,480 | 5,451 | 4,260 | 2,375 | 1,321 | 1,047 | 934 | 599 | 460 | 405 |
| Mink | | | | | | | | | | | | | |
| Standard and Dark | ..... | ..... | ..... | ..... | ..... | ..... | 40,691 | 27,727 | 22,315 | 21,693 | 20,841 | 14,812 | ..... |
| Half-Blood..... | ..... | ..... | ..... | ..... | ..... | ..... | 12,381 | 16,926 | 22,869 | 29,100 | 40,368 | 42,063 | ..... |
| Pastel..... | ..... | ..... | ..... | ..... | ..... | ..... | 15,798 | 17,710 | 20,443 | 21,053 | 21,125 | 24,072 | ..... |
| Silverblu..... | ..... | ..... | ..... | ..... | ..... | ..... | 4,665 | 7,797 | 9,713 | 13,486 | 19,387 | 28,989 | ..... |
| Other Mink..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| TOTAL..... | 50,677 | 72,992 | 75,192 | 71,139 | 67,943 | 73,034 | 73,535 | 70,160 | 75,340 | 85,332 | 101,721 | 109,936 | 119,299 |
| Other Animals | | | | | | | | | | | | | |
| Beaver..... | 30 | 45 | 70 | 71 | 56 | 22 | 16 | 15 | 26 | 16 | 1 | 1 | 1 |
| Fisher..... | 35 | 45 | 46 | 26 | 23 | 21 | 13 | 10 | 9 | 11 | 12 | 12 | 8 |
| Lynx..... | 1 | 1 | 1 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Marten..... | 16 | 28 | 35 | 35 | 43 | 35 | 36 | 54 | 62 | 70 | 81 | 85 | 76 |
| Muskrat..... | 2 | 92 | 65 | 55 | 125 | 99 | 192 | 264 | 707 | 82 | 62 | 54 | 47 |
| Raccoon..... | 130 | 127 | 97 | 94 | 76 | 46 | 47 | 68 | 57 | 47 | 43 | 43 | 33 |
| Skunk..... | 3 | 2 | 1 | 5 | 4 | 6 | 2 | ..... | ..... | ..... | 5 | 5 | 3 |
| NO. OF FARMS.... | 1,502 | 1,735 | 1,650 | 1,382 | 1,078 | 914 | 769 | 631 | 549 | 529 | 542 | 520 | 513 |

REVENUE RECEIVED FROM PELTS EXPORTED OR TANNED IN YEARS ENDING 30th JUNE

| Year | NUMBER OF PELTS | | | ROYALTY ON WILD PELTS | | |
|-----------|------------------|-----------------|---------|-----------------------|-----------------|--------------|
| | Export Beaver | Total Export | Tanners | Export Beaver | Total Export | Tanners |
| 1947..... | 45,847 | 762,998 | 214,636 | \$ 91,694.00 | \$ 188,560.40 | \$ 23,229.30 |
| 1948..... | 20,083 | 862,700 | 294,017 | 40,166.00 | ..... | ..... |
| 1949..... | 74,253 | 940,378 | 271,167 | 148,506.00 | 238,073.05 | 27,156.25 |
| 1950..... | 65,600 | 909,079 | 181,723 | 131,200.00 | 219,948.80 | 18,074.95 |
| 1951..... | 81,845 | 814,447 | 149,340 | 163,690.00 | 241,937.60 | 15,492.75 |
| 1952..... | 105,503 | 922,868 | 188,847 | 211,006.00 | 300,321.05 | 19,556.35 |
| 1953..... | 122,287 | 998,713 | 256,476 | 185,103.00 | 300,798.80 | 26,313.75 |
| 1954..... | 105,071 | 908,990 | 240,441 | 157,635.50 | 268,822.90 | 25,430.15 |
| 1955..... | 134,729 | 941,348 | 325,947 | 135,919.50 | 242,489.95 | 34,794.90 |
| 1956..... | 112,663 | 769,027 | 190,566 | 112,663.00 | 196,956.25 | 20,766.50 |
| 1957..... | 111,278 | 788,370 | 248,613 | 111,278.00 | 194,339.80 | 27,596.25 |
| 1958..... | 140,930 | 879,316 | 149,779 | 140,930.00 | 224,921.35 | 9,407.05 |
| 1959..... | 119,684 | 830,538 | 112,564 | 119,684.00 | 195,586.05 | 8,352.70 |

PELTS EXPORTED OR TANNED IN YEARS ENDING 30th JUNE

| Year | NUMBER OF PELTS | | | VALUE OF PELTS | | |
|----------------|-----------------|---------------|----------------|----------------|----------------|----------------|
| | Wild | Ranch Mink | Total Ranch | Wild | Ranch | Total |
| 1947 | 876,204 | 73,770 | 101,430 | \$4,966,209.43 | \$2,262,888.38 | \$7,229,097.81 |
| 1948 | 1,001,249 | 125,829 | 155,468 | 4,040,846.67 | 2,346,038.61 | 6,386,885.28 |
| 1949 | 1,046,628 | 143,358 | 164,917 | 5,187,075.19 | 1,647,044.38 | 6,834,119.57 |
| 1950 | 931,890 | 143,513 | 158,912 | 4,248,297.37 | 2,165,232.63 | 6,413,530.00 |
| 1951 | 811,579 | 142,570 | 152,208 | 4,582,900.62 | 3,101,559.30 | 7,684,459.92 |
| 1952 | 959,431 | 144,436 | 152,284 | 3,656,919.00 | 2,355,226.00 | 6,012,145.00 |
| 1953 | 1,098,286 | 152,760 | 156,903 | 3,868,812.40 | 2,171,784.00 | 6,040,596.40 |
| 1954 | 1,016,672 | 131,192 | 132,759 | 2,682,762.00 | 1,905,518.15 | 4,588,280.15 |
| 1955 | 1,107,530 | 158,662 | 159,765 | 4,284,902.19 | 2,942,968.00 | 7,227,870.19 |
| 1956 | 786,608 | 171,723 | 172,985 | 2,989,521.74 | 4,129,555.00 | 7,119,076.74 |
| 1957 | 788,666 | 247,998 | 248,317 | 2,575,808.67 | 2,978,209.00 | 5,554,017.67 |
| 1958 | 791,165 | 237,172 | 237,930 | 2,713,427.01 | 3,943,119.20 | 6,656,546.21 |
| 1959 | 680,189 | 262,788 | 262,913 | 2,445,202.55 | 3,969,223.80 | 6,414,426.35 |

FUR RETURNS BY ONTARIO GAME MANAGEMENT DISTRICTS IN YEARS ENDING 30th JUNE *

NUMBER OF TRAPPERS

| Year | Reg. | Res. | Farm | Total | Beaver | Fisher | Arc. Fox | Col. Fox | Lynx | ** | Marten | Mink | Muskrat | Otter | Raccoon | Skunk | Squirrel | Weasel | Wolf | *** Wiv. |
|------|-------|-------|------|--------|---------|--------|-------------|-------------|-------|----|--------|--------|---------|-------|---------|-------|----------|--------|------|-------------|
| 1949 | .... | .... | ... | 4,326 | 46,208 | 1,027 | 39 | 2,783 | 409 | | 120 | 19,867 | 172,219 | 3,276 | 129 | 77 | 209 | 20,544 | 178 | 24 |
| 1950 | .... | .... | ... | 4,917 | 62,717 | 310 | 14 | 1,727 | 389 | | 48 | 30,750 | 146,145 | 3,488 | 66 | 169 | .... | 44,463 | 399 | 13 |
| 1951 | 4,957 | 6,422 | ... | 11,379 | 81,700 | 662 | 139 | 3,341 | 415 | | 1,045 | 31,323 | 408,662 | 6,137 | 6,667 | 4,538 | 4,121 | 32,002 | 650 | 8 |
| 1952 | 4,985 | 6,656 | ... | 11,641 | 99,391 | 2,001 | 198 | 4,871 | 251 | | 1,529 | 27,704 | 567,565 | 5,259 | 10,905 | 5,747 | 5,598 | 13,129 | 538 | 14 |
| 1953 | 5,054 | 6,434 | 844 | 12,332 | 109,260 | 2,414 | 54 | 5,784 | 1,216 | | 2,210 | 28,904 | 671,642 | 6,410 | 9,874 | 5,749 | 16,077 | 23,727 | 613 | 255 |
| 1954 | 4,965 | 6,059 | 890 | 11,914 | 91,484 | 2,335 | 685 | 4,604 | 1,464 | | 2,767 | 30,264 | 607,645 | 6,203 | 10,669 | 2,506 | 14,256 | 23,816 | 563 | 25 |
| 1955 | 4,929 | 6,406 | 975 | 12,310 | 115,439 | 2,915 | 98 | 2,879 | 1,547 | | 3,587 | 29,520 | 640,865 | 6,224 | 9,641 | 1,879 | 16,133 | 28,813 | 501 | ... |
| 1956 | 4,693 | 5,761 | 547 | 11,001 | 98,084 | 3,046 | 163 | 2,619 | 891 | | 2,909 | 27,510 | 400,111 | 6,401 | 13,135 | 819 | 13,861 | 20,190 | 445 | ... |
| 1957 | 4,471 | 4,776 | 282 | 9,529 | 93,065 | 1,822 | 60 | 1,253 | 657 | | 4,092 | 30,069 | 443,153 | 5,325 | 10,551 | 1,105 | 19,440 | 17,981 | 560 | ... |
| 1958 | .... | .... | ... | 8,604 | 126,986 | 2,737 | 128 | 2,031 | 1,114 | | 5,707 | 41,837 | 446,578 | 7,293 | 9,596 | 2,019 | 14,778 | 16,410 | 309 | ... |
| 1959 | .... | .... | ... | 7,826 | 101,984 | 2,091 | 302 | 1,858 | 1,891 | | 4,091 | 37,186 | 337,986 | 5,754 | 4,200 | 572 | 11,330 | 11,626 | 495 | ... |

*Management began in 1947.

**Lynx includes Bob Cat.

***Wolverine includes Bear.

PROSECUTIONS IN YEARS ENDING 31st MARCH

| Year | SEIZURES | | Public Sale of Seized Equipment | Total Sales and Redemptions | Convic- tions | Cases Dis- missed | Cases With- drawn | Total | Collected Costs | Collected Fines |
|-----------|----------|-------|---------------------------------------|-----------------------------------|------------------|-------------------------|-------------------------|-------|--------------------|--------------------|
| | Firearms | Total | | | | | | | | |
| 1947..... | 976 | 1,844 | ..... | \$37,201.91 | 2,040 | 85 | 4 | 2,129 | \$1,216.45 | \$44,266.85 |
| 1948..... | ..... | ..... | \$ 4,700.00 | ..... | 2,880 | 114 | 44 | 3,038 | ..... | ..... |
| 1949..... | 1,292 | 2,015 | 15,514.84 | 16,742.15 | 2,302 | 106 | 193 | 2,601 | 1,152.50 | 46,947.00 |
| 1950..... | 1,434 | 2,697 | 7,053.27 | 17,222.31 | 2,704 | 102 | 140 | 2,946 | 1,746.25 | 45,807.70 |
| 1951..... | 1,413 | 2,619 | 9,750.66 | 21,534.28 | 2,728 | 116 | 86 | 2,930 | 1,507.25 | 47,622.41 |
| 1952..... | 1,488 | 2,763 | 9,422.30 | 23,847.23 | 2,862 | 108 | 70 | 3,040 | 1,475.65 | 48,334.70 |
| 1953..... | 1,438 | 2,872 | ..... | 23,633.14 | 2,880 | 114 | 44 | 3,038 | 1,387.44 | 50,460.25 |
| 1954..... | 1,727 | 2,975 | ..... | 25,157.03 | 3,052 | 85 | 76 | 3,213 | 1,442.18 | 47,715.42 |
| 1955..... | 1,498 | 3,005 | 9,239.15 | 27,008.80 | 3,102 | 102 | 80 | 3,284 | 1,274.20 | 52,087.64 |
| 1956..... | 1,602 | 2,929 | 7,414.34 | 23,212.66 | 2,967 | 87 | 125 | 3,179 | 1,280.65 | 44,444.33 |
| 1957..... | 1,510 | 2,751 | 9,389.40 | 24,595.98 | 2,620 | 93 | 50 | 2,965 | 1,204.36 | 43,895.10 |
| 1958..... | 1,678 | 2,996 | 9,391.97 | 24,319.62 | 3,040 | 76 | 38 | 3,154 | 1,601.61 | 47,443.05 |
| 1959..... | 1,495 | 2,472 | 10,306.79 | 25,018.31 | 2,460 | 74 | 55 | 2,589 | 1,183.15 | 42,875.98 |

HUNTING AND ANGLING LICENCES SOLD IN YEARS ENDING 31st DECEMBER

| Year | DEER HUNTING | | | MOOSE HUNTING | | | SMALL GAME | | | BEAR & WOLF | TOTAL HUNTING | | ANGLING | |
|-----------|--------------|----------|---------|---------------|----------|--------|------------|----------|----------|-------------|---------------|----------|----------|--|
| | Resident | Non-Res. | Total | Resident | Non-Res. | Total | Resident | Non-Res. | Resident | | Non-Res. | Resident | Non-Res. | |
| | | | | | | | | | | | | | | |
| 1944..... | 38,654 | 2,385 | 41,039 | 875 | 653 | 1,528 | 92,847 | 1,949 | 181 | 132,376 | 5,168 | ..... | 89,291 | |
| 1945..... | 53,930 | 4,430 | 58,360 | 1,282 | 1,426 | 2,708 | 131,468 | 3,281 | 314 | 186,680 | 9,451 | ..... | 126,367 | |
| 1946..... | 62,913 | 7,877 | 70,790 | 1,694 | 1,230 | 2,924 | 155,309 | 4,666 | 783 | 219,916 | 14,556 | ..... | 171,400 | |
| 1947..... | 67,299 | 11,193 | 78,492 | 2,270 | 1,516 | 3,786 | 171,098 | 3,620 | 548 | 240,667 | 16,877 | ..... | 196,785 | |
| 1948..... | 73,700 | 11,300 | 85,000 | 3,000 | 1,700 | 4,700 | 186,660 | 3,200 | 1,600 | 262,760 | 17,800 | 3,730 | 224,898 | |
| 1949..... | 76,274 | 12,050 | 88,324 | * | * | * | 205,706 | 3,300 | 1,176 | 281,980 | 16,526 | 4,434 | 240,278 | |
| 1950..... | 84,380 | 12,440 | 96,820 | * | * | * | 213,594 | 5,620 | 1,127 | 297,974 | 19,187 | 5,110 | 237,191 | |
| 1951..... | 89,290 | 10,400 | 99,690 | 1,400 | * | 1,400 | 240,040 | 4,960 | 1,120 | 330,730 | 16,480 | 4,785 | 272,180 | |
| 1952..... | 96,790 | **870 | 97,660 | 3,620 | * | 3,620 | 268,444 | 5,400 | 3,060 | 368,854 | 9,330 | 4,695 | 287,997 | |
| 1953..... | 92,785 | 8,300 | 101,085 | 5,196 | 637 | 5,833 | 256,341 | 3,810 | 2,490 | 354,322 | 15,237 | 4,717 | 308,500 | |
| 1954..... | 92,809 | 10,400 | 103,209 | 7,500 | 730 | 8,230 | 284,000 | 5,300 | 1,520 | 384,300 | 17,950 | 6,400 | 366,150 | |
| 1955..... | 105,150 | 8,050 | 113,200 | 9,000 | 990 | 9,990 | 318,000 | 6,010 | 1,750 | 432,150 | 16,800 | 6,450 | 377,220 | |
| 1956..... | 98,079 | 7,426 | 105,505 | 13,441 | 1,521 | 14,962 | 316,778 | 5,905 | 2,031 | 428,298 | 16,883 | 12,624 | 376,000 | |
| 1957..... | 106,620 | 6,743 | 113,363 | 17,367 | 1,890 | 19,257 | 341,838 | 6,092 | 2,703 | 465,825 | 17,428 | 15,806 | 397,435 | |
| 1958..... | 109,322 | 6,044 | 115,366 | 22,688 | 2,362 | 25,050 | 377,589 | 5,503 | 4,803 | 509,599 | 18,712 | 18,678 | 380,036 | |

*Closed Season.

**U.S.A. Ban on importation of Cloven-Hoofed Animals.

PRODUCTION OF PROVINCIAL FISH HATCHERIES IN 1958

| HATCHERY | Speckled Trout | Lake Trout | Kamloops Trout | Brown Trout | Large-mouth Bass | Smallmouth Bass | Maskinonge | Whitefish | Pickeral | Splake |
|------------------------|--------------------------------|-------------------------------|-------------------------------|----------------------------|------------------|---------------------|------------------------|--|---|-------------------------------|
| Chatsworth TRS..... | 153,450Y | 23,250Y | ..... | 64,200Y | ..... | ..... | ..... | ..... | ..... | 9,000Y |
| Codrington TRS..... | 32,220Y | 25,000Fg 16,400Y | 11,000Y | 32,680Y | ..... | ..... | ..... | ..... | ..... | ..... |
| Deer Lake | 15,000Y | ..... | ..... | ..... | ..... | ..... | 2,940,000F 17,512Fg | ..... | ..... | ..... |
| Dorion TRS | 428,000Fg 17,515Y 420Y | 287,870Y | 13,000Fg | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Hill Lake TRS..... | 31,000Fg 349,300Y 2,400Y | ..... | 2,000Fg 4,034Y 32,297A | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Kenora | 69,000Fg | 21,500Fg | ..... | ..... | ..... | ..... | ..... | 23,040,000F 2,969,600F 5,000,000F 47,515,000F | 16,950,000F 20,500,000F 13,795,000F | ..... |
| Kingville ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Little Current ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Midhurst Ponds | 81,750Y | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Mount Pleasant | 120,370Y | ..... | 26,000F 10,000F 22,760Y | 21,800Fg 6,600Y 235A | 44,500Fg | 35,650Fg | ..... | ..... | ..... | ..... |
| Normandale | 4,500T | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| North Bay TRS..... | 155,100Y 2,000T | 29,000Y | 8,000Y | ..... | ..... | ..... | ..... | ..... | ..... | 2,700Y |
| Pembroke TRS..... | 209,040Y | 4,800F 49,000Fg 10,000Y | 4,000Y | ..... | 16,000F | ..... | ..... | ..... | ..... | ..... |
| Sandfield Ponds..... | 203,400Y | 58,804Y | ..... | ..... | ..... | 94,000F 17,500Fg | ..... | ..... | ..... | 19,100Y |
| Sault Ste. Marie TRS., | 525,270Y 266T | 298,200Y 9,000T | 11,350Y | ..... | ..... | ..... | ..... | ..... | ..... | *176,910Y 2,400Y 5,330T |
| Skeleton Lake | 162,250Y | 20,000Y | 20,050Y | ..... | ..... | 64,500Fg | ..... | ..... | 5,000,000F 280Fg | ..... |
| Westport Ponds | 4,080Y | 9,000Y | 9,750Y | ..... | 18,100Fg | 15,100Fg | ..... | ..... | ..... | ..... |
| White Lake Ponds., | 260,900Fg | 30,000Fg 79,885Y | 4,000Y | 29,446Y | 30,000F | 36,000F | ..... | ..... | ..... | ..... |
| Warton..... | ..... | 248,000Fg | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |

Port Arthur: Production of 294,000 Lake Trout Fingerlings transferred to Dorion and Sault Ste. Marie.

1 RS Trout Rearing Station; E Egg; F Fry; Fg Fingerling; Y Yearling; T 2-year old; A Adult. *Alpine Charr.

DISTRIBUTION OF HATCHERY FISH IN YEARS ENDING 31st DECEMBER (IN 000's)

| SPECIES | *1948 | *1949 | *1950 | *1951 | *1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 |
|---------------------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BLACK BASS, Large mouth. | | | | | | | | | | | |
| Fry..... | 410 | 550 | 550 | 826 | 544 | 330 | 720 | 282 | 360 | 190 | 46 |
| Fingerling..... | .... | 16 | 53 | 145 | 97 | 328 | 279 | 343 | 122 | 129 | 63 |
| Yearling and Adult..... | 1 | .... | .... | 1 | 1 | 1 | .... | 4 | 1 | 3 | 1 |
| BLACK BASS, Small mouth. | | | | | | | | | | | |
| Fry..... | 1,403 | 1,533 | 1,506 | 935 | 358 | 720 | 820 | 209 | 803 | 468 | 130 |
| Fingerling..... | 555 | 398 | 346 | 402 | 385 | 623 | 452 | 529 | 369 | 132 | 133 |
| Yearling and Adult..... | 3 | 7 | 9 | 14 | 15 | 18 | 14 | 25 | 19 | 1 | 5 |
| BLUEGILLS | | | | | | | | | | | |
| Fingerling..... | .... | .... | .... | .... | .... | .... | .... | 2 | .... | .... | .... |
| Adult..... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| CHARR, French Alpine. | | | | | | | | | | | |
| Fingerling..... | .... | .... | .... | .... | .... | .... | .... | .... | 21 | .... | .... |
| Yearling..... | .... | .... | .... | .... | .... | .... | 1 | .... | .... | .... | 2 |
| Adult..... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | 5 |
| CHARR, Pennsylvania. | | | | | | | | | | | |
| Fingerling..... | .... | .... | .... | .... | .... | .... | 2 | .... | .... | .... | .... |
| HERRING | | | | | | | | | | | |
| Eggs..... | .... | .... | .... | .... | .... | .... | 900 | 398 | .... | 1,840 | .... |
| Fry..... | 20,375 | 8,400 | 5,100 | 8,100 | 1,100 | 3,600 | 2,717 | 3,400 | 350 | .... | .... |
| MASKINONGE | | | | | | | | | | | |
| Fry..... | 3,135 | 2,750 | 3,350 | 2,360 | 3,750 | 2,740 | 3,550 | 3,712 | 3,610 | 2,430 | 2,940 |
| Fingerling..... | 25 | 38 | 30 | 22 | 62 | 43 | 40 | 51 | 74 | 39 | 18 |
| Adult..... | .... | .... | .... | .... | .... | .... | .... | .... | .... | 1 | 1 |

| | | | | | | | | | | | | | |
|------------------|---------|---------|---------|---------|---------|-------|-------|---------|--------|---------|--------|--------|-------|
| OUANANICHE | | | | | | | | | | | | | |
| Fingerling..... | ..... | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Yearling..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 11 | ..... |
| Adult..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| PERCH | | | | | | | | | | | | | |
| Fry..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| PICKEREL | | | | | | | | | | | | | |
| Eggs..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Fry..... | 267,170 | 312,900 | 160,200 | 234,610 | 176,285 | ..... | ..... | 227,000 | 91,800 | 138,805 | 90,565 | 56,245 | ..... |
| Fingerling..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 6,000 | 8,310 | ..... | ..... | ..... | ..... |
| Adult..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| SALMON, Atlantic | | | | | | | | | | | | | |
| Fingerling..... | 101 | 112 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| SALMON, Chum. | | | | | | | | | | | | | |
| Eggs..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 423 | ..... | ..... | ..... | ..... |
| Fingerling..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 449 | ..... | ..... | ..... | ..... |
| SALMON, Pink. | | | | | | | | | | | | | |
| Eggs..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 513 | ..... | ..... | ..... |
| Fingerling..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 224 | ..... | ..... | ..... |
| SPLAKE | | | | | | | | | | | | | |
| Fingerling..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Yearling..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Adult..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| TROUT, Brown | | | | | | | | | | | | | |
| Eggs..... | 9 | 10 | 10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Fingerling..... | 558 | 175 | 307 | 283 | 108 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Yearling..... | 350 | 222 | 85 | 55 | 140 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Adult..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |

DISTRIBUTION OF HATCHERY FISH IN YEARS ENDING 31st DECEMBER (IN 000's)—Cont'd

| SPECIES | *1948 | *1949 | *1950 | *1951 | *1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 |
|------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Trout, Kamloops | | | | | | | | | | | |
| Eggs..... | .... | .... | .... | .... | .... | .... | 2** | 2** | 10 | 13 | 26 |
| Fry..... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | 10 |
| Fingerling..... | .... | 2 | .... | .... | 1 | .... | 1** | 3** | .... | 32 | 15 |
| Yearling..... | 5 | 32 | 52 | 35 | 73 | 108 | 141** | 83** | 78 | 123 | 95 |
| Adult..... | .... | .... | .... | .... | .... | .... | .... | 1** | .... | .... | 32 |
| Trout, Lake | | | | | | | | | | | |
| Eggs..... | .... | .... | .... | .... | .... | .... | .... | .... | 12 | .... | 5 |
| Fry..... | 1,000 | 1,000 | 1,450 | 1,775 | 1,849 | 250 | .... | 28 | 10 | .... | 374 |
| Fingerling..... | 4,858 | 5,562 | 4,489 | 3,147 | 3,499 | 6,985 | 2,606 | 2,612 | 736 | 230 | 832 |
| Yearling..... | 77 | 81 | 55 | 134 | 231 | 172 | 4*5 | 241 | 320 | 39 | 9 |
| Adult..... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| Trout, Rainbow | | | | | | | | | | | |
| Fingerling..... | 28 | .... | .... | 10 | 2 | 25 | ** | ** | .... | .... | .... |
| Yearling..... | 8 | .... | .... | .... | .... | 1 | ** | ** | .... | .... | .... |
| Trout, Speckled | | | | | | | | | | | |
| Eggs..... | .... | .... | .... | .... | .... | .... | 720 | 50 | .... | 200 | .... |
| Fry..... | 1 | 16 | .... | .... | .... | .... | .... | .... | 35 | 91 | .... |
| Fingerling..... | 882 | 1,475 | 1,005 | 945 | 537 | 1,963 | 166 | 842 | 1,332 | 522 | 789 |
| Yearling..... | 2,334 | 2,938 | 3,141 | 3,087 | 2,721 | 3,251 | 2,056 | 1,991 | 2,092 | 2,677 | 2,079 |
| Legal Size..... | 5 | 2 | 8 | 12 | 19 | 14 | 4 | 16 | 19 | 10 | 10 |
| WHITEFISH | | | | | | | | | | | |
| Eggs..... | .... | .... | .... | .... | .... | .... | 42,665 | 67,165 | 51,178 | 13,435 | 30,940 |
| Fry..... | 243,482 | 245,150 | 235,200 | 121,185 | 200,400 | 186,700 | 139,210 | 102,950 | 11,130 | 67,275 | 47,515 |
| TOTAL..... | | | | | | | | | | | |
| | 546,776 | 583,369 | 416,946 | 378,080 | 392,272 | 479,069 | 430,780 | 286,267 | 212,410 | 180,704 | 142,682 |

*Figures for 1947-1952 Compiled on Fiscal Year Basis. **Rainbow Trout Included in Kamloops Trout Plantings.

YIELD OF ONTARIO FISHERIES IN YEARS ENDING 31st DECEMBER (In Thousands of Pounds)

| Year | Lake Ontario | Lake Erie | Lake St. Clair | Lake Huron | Georgian Bay | North Channel | Lake Superior | Northern Inland | Southern Inland | Total | Value \$'000 |
|-----------|--------------|-----------|----------------|------------|--------------|---------------|---------------|-----------------|-----------------|--------|--------------|
| 1935..... | 2,785 | 14,429 | 697 | 3,670 | 3,275 | 1,434 | 3,578 | 4,496 | 852 | 35,216 | 2,634 |
| 1936..... | 3,154 | 11,954 | 650 | 3,511 | 2,862 | 1,417 | 4,899 | 4,883 | 925 | 34,255 | 2,615 |
| 1937..... | 3,377 | 14,665 | 766 | 3,189 | 3,079 | 1,307 | 4,509 | 4,447 | 754 | 36,093 | 2,644 |
| 1938..... | 3,086 | 14,502 | 669 | 3,009 | 3,082 | 1,194 | 4,057 | 4,598 | 717 | 34,914 | 2,574 |
| 1939..... | 3,512 | 14,264 | 784 | 2,496 | 2,989 | 960 | 3,307 | 4,883 | 655 | 33,850 | 2,565 |
| 1940..... | 3,040 | 9,768 | 835 | 2,211 | 2,659 | 792 | 3,319 | 4,734 | 609 | 27,967 | 2,226 |
| 1941..... | 3,126 | 8,951 | 992 | 2,148 | 2,734 | 542 | 3,436 | 4,504 | 517 | 26,950 | 2,147 |
| 1942..... | 2,488 | 10,038 | 598 | 2,081 | 2,163 | 535 | 3,362 | 4,570 | 546 | 26,381 | 3,372 |
| 1943..... | 2,281 | 14,483 | 487 | 1,836 | 2,010 | 572 | 3,347 | 4,961 | 618 | 30,595 | 4,704 |
| 1944..... | 2,637 | 15,256 | 449 | 1,460 | 1,545 | 487 | 3,761 | 4,964 | 482 | 30,041 | 4,389 |
| 1945..... | 2,338 | 18,950 | 503 | 1,071 | 1,524 | 434 | 3,812 | 5,040 | 606 | 34,278 | 6,484 |
| 1946..... | 2,059 | 18,925 | 493 | 954 | 1,292 | 290 | 3,589 | 4,719 | 679 | 33,000 | 5,597 |
| 1947..... | 2,002 | 12,334 | 466 | 1,107 | 666 | 267 | 2,831 | 4,488 | 448 | 24,922 | 4,803 |
| 1948..... | 2,046 | 14,926 | 437 | 1,440 | 913 | 445 | 3,371 | 4,629 | 735 | 28,942 | 5,735 |
| 1949..... | 2,006 | 19,093 | 540 | 1,260 | 1,563 | 550 | 3,188 | 5,254 | 607 | 34,061 | 5,497 |
| 1950..... | 2,219 | 16,866 | 469 | 1,301 | 2,794 | 668 | 2,655 | 5,229 | 555 | 32,756 | 6,252 |
| 1951..... | 2,411 | 13,114 | 389 | 1,474 | 3,720 | 548 | 2,851 | 5,728 | 707 | 30,972 | 7,044 |
| 1952..... | 2,281 | 17,417 | 792 | 1,736 | 5,359 | 433 | 3,127 | 6,221 | 678 | 38,044 | 7,417 |
| 1953..... | 2,059 | 23,389 | 983 | 1,396 | 6,876 | 458 | 2,771 | 6,080 | 827 | 44,839 | 7,037 |
| 1954..... | 1,914 | 28,912 | 1,021 | 1,463 | 4,292 | 395 | 2,890 | 6,080 | 712 | 47,679 | 7,013 |
| 1955..... | 1,943 | 30,285 | 822 | 1,262 | 2,298 | 244 | 2,540 | 5,627 | 615 | 45,636 | 6,783 |
| 1956..... | 2,627 | 44,682 | 1,029 | 1,463 | 1,113 | 187 | 2,145 | 5,878 | 593 | 59,717 | 7,928 |
| 1957..... | 1,997 | 37,105 | 1,113 | 988 | 664 | 191 | 2,797 | 5,764 | 493 | 51,113 | 7,047 |
| 1958..... | 2,098 | 30,751 | 907 | 2,023 | 407 | 255 | 2,871 | 7,316 | 544 | 47,172 | 7,274 |

YIELD OF ONTARIO FISHERIES IN YEARS ENDING 31st DECEMBER (In Thousands of Pounds)

| SPECIES | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | Average |
|-------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|
| Bass, Rock; Crappies... | ..... | ..... | ..... | 80 | 85 | 66 | 61 | 63 | 67 | 81 | 72 |
| Bass, White..... | ..... | ..... | ..... | 1,442 | 2,197 | 6,202 | 4,589 | 5,795 | 3,589 | 1,850 | 3,666 |
| Bullheads..... | 601 | 601 | 610 | 815 | 865 | 837 | 824 | 843 | 762 | 635 | 739 |
| Carp..... | 646 | 806 | 793 | 1,130 | 1,384 | 1,428 | 1,318 | 1,906 | 1,508 | 1,350 | 1,227 |
| Catfish..... | 301 | 294 | 284 | 370 | 295 | 332 | 285 | 299 | 272 | 330 | 306 |
| Caviar..... | 2 | 1 | 2 | 2 | 2 | 2 | 3 | 2 | 3 | 3 | 2 |
| Chub; Tullibee..... | 438 | 400 | 438 | 489 | 845 | 920 | 988 | 923 | 796 | 1,269 | 750 |
| Eels..... | 48 | 30 | 50 | 66 | 60 | 80 | 71 | 55 | 103 | 133 | 70 |
| Gold Eyes..... | 50 | 84 | 114 | 102 | 34 | 87 | 6 | 84 | 31 | 22 | 61 |
| Herring; Ciscoe..... | 2,137 | 1,572 | 1,428 | 1,598 | 1,149 | 1,375 | 936 | 1,142 | 1,996 | 1,917 | 1,525 |
| Ling..... | ..... | ..... | ..... | 247 | 458 | 426 | 506 | 451 | 354 | 484 | 418 |
| Menominee, Pilots..... | ..... | ..... | ..... | 21 | 11 | 13 | 18 | 20 | 23 | 26 | 19 |
| Perch..... | 2,698 | 2,710 | 3,375 | 2,738 | 4,629 | 8,203 | 5,181 | 11,843 | 12,068 | 16,299 | 6,974 |
| Pickarel, Blue..... | 9,831 | 8,665 | 4,102 | 7,447 | 10,399 | 8,210 | 12,070 | 12,019 | 6,398 | 833 | 7,997 |
| Pickarel, Yellow..... | 3,235 | 3,510 | 4,025 | 4,760 | 4,650 | 5,196 | 6,883 | 11,673 | 10,609 | 7,825 | 6,228 |
| Pike, Northern..... | 1,027 | 875 | 1,005 | 1,056 | 964 | 1,148 | 913 | 904 | 914 | 1,017 | 982 |
| Saugers..... | 191 | 343 | 639 | 362 | 250 | 212 | 168 | 133 | 103 | 174 | 258 |
| Sheepshead..... | ..... | ..... | ..... | 1,121 | 849 | 853 | 840 | 774 | 849 | 1,817 | 1,014 |
| Smelt..... | ..... | ..... | ..... | 662 | 1,326 | 1,550 | 2,328 | 4,016 | 4,666 | 4,967 | 2,788 |
| Sturgeon..... | 184 | 168 | 164 | 183 | 193 | 172 | 160 | 138 | 174 | 243 | 178 |
| Suckers..... | ..... | ..... | ..... | 1,485 | 1,568 | 1,485 | 1,395 | 1,394 | 1,317 | 1,509 | 1,450 |
| Sunfish..... | ..... | ..... | ..... | 285 | 469 | 376 | 370 | 416 | 375 | 276 | 364 |
| Trout, Lake..... | 1,892 | 2,044 | 1,975 | 2,181 | 1,862 | 1,562 | 1,190 | 641 | 498 | 622 | 1,447 |
| Whitefish..... | 7,063 | 6,589 | 7,180 | 9,426 | 10,214 | 6,844 | 4,452 | 4,049 | 3,226 | 3,278 | 6,232 |
| Miscellaneous..... | 3,717 | 4,064 | 4,787 | 65 | 83 | 101 | 83 | 132 | 413 | 212 | 1,366 |
| TOTAL..... | 34,061 | 32,756 | 30,972 | 38,044 | 44,839 | 47,679 | 45,636 | 59,717 | 51,113 | 47,172 | 43,199 |

TOTAL VALUE (000's \$).

| | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5,497 | 6,252 | 7,044 | 7,417 | 7,037 | 7,013 | 6,783 | 7,928 | 7,047 | 7,274 | 6,929 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|

COMMERCIAL FISHING EQUIPMENT IN YEARS ENDING 31st DECEMBER

| Year | COMMERCIAL LICENCES | | Number of Men | FISHING BOATS | | AMOUNT OF NETS | | | | | | | Freezers & Ice Houses | Wharves and Piers | Net Sheds | Total Value |
|----------|---------------------|-------|---------------|---------------|--------------|----------------|-------|-------|-------|-------|-----|-----|-----------------------|-------------------|-------------|-------------|
| | Gill Nets | Total | | 40 ft. & Over | Under 40 ft. | Gill (Yds.) | Pound | Trap* | Hoop | Seine | | | | | | |
| 1946.... | ..... | ..... | 4,244 | 107 | 2,205 | 9,090,199 | 1,079 | .... | 1,288 | 121 | 525 | 437 | .... | .... | \$4,763,778 | |
| 1947.... | ..... | 2,421 | 4,026 | 112 | 2,009 | 8,853,717 | 1,135 | .... | 1,240 | 99 | 486 | 400 | .... | .... | 5,147,029 | |
| 1948.... | ..... | ..... | 3,736 | 111 | 1,930 | 8,980,784 | 1,152 | .... | 1,324 | 92 | 477 | 412 | .... | .... | 5,716,075 | |
| 1949.... | 1,071 | 2,675 | 3,930 | 123 | 2,039 | 9,143,558 | 1,182 | .... | 1,411 | 110 | 456 | 395 | .... | .... | 5,988,165 | |
| 1950.... | 1,021 | 2,722 | 3,886 | 116 | 1,966 | 9,064,269 | 1,214 | .... | 1,439 | 112 | 477 | 425 | .... | .... | 6,678,891 | |
| 1951.... | 1,063 | 2,894 | 3,833 | 126 | 1,981 | 8,943,785 | 1,204 | .... | 1,483 | 105 | 476 | 416 | .... | .... | 6,985,465 | |
| 1952.... | 1,124 | 3,115 | 3,878 | 196 | 1,682 | 9,056,782 | 1,127 | 359 | 1,564 | 109 | 462 | 474 | 727 | .... | 8,327,779 | |
| 1953.... | 1,098 | 3,098 | 3,807 | 215 | 1,538 | 9,312,308 | 1,078 | 549 | 1,570 | 101 | 493 | 487 | 827 | .... | 8,838,656 | |
| 1954.... | 1,045 | 3,200 | 3,657 | 214 | 1,407 | 9,247,586 | 878 | 709 | 1,578 | 116 | 482 | 456 | 778 | .... | 9,176,180 | |
| 1955.... | 1,066 | 3,379 | 3,483 | 224 | 1,338 | 9,303,838 | 787 | 822 | 1,545 | 134 | 442 | 447 | 759 | .... | 9,226,538 | |
| 1956.... | 1,032 | 3,470 | 3,135 | 202 | 1,320 | 8,718,920 | 784 | 763 | 1,487 | 84 | 426 | 437 | 754 | .... | 8,891,463 | |
| 1957.... | 1,038 | 3,684 | 3,066 | 211 | 1,321 | 8,617,596 | 671 | 804 | 1,462 | 91 | 412 | 404 | 709 | .... | 8,676,011 | |
| 1958.... | 1,038 | 4,029 | 3,224 | 212 | 1,270 | 8,898,006 | 713 | 731 | 1,441 | 81 | 464 | 425 | 727 | .... | 9,215,473 | |

*Trap Nets included with Pound Nets, 1946-1951.

DIVISION OF FOREST PROTECTION

The late Aubrey White, former Deputy Minister, may be regarded as the originator of forest protection as we know it.

His extensive report of March 30/85 on the emergency induced by increasing forest fire losses brought about government recognition of the necessity of immediate organized activity to meet the situation.

In the annual report for the following year Mr. White stated, "Last year was the first year of the experiment which was found to work in a satisfactory manner to the Department as well as to the licensees the net expense to the Province was under \$4,000". Mr White asked for \$8,000 for his new budget.

What had been accomplished received enthusiastic approval and laid the foundations of the fine organization which functions so well today.

Year by year the area under protection extended and so did the cost and so did the beneficial results.

The following are features:

The first legislation concerned with forest protection, "An Act to Preserve the Forests from Destruction by Fire", was placed in the statutes in 1878. In 1886 legislation which allowed sharing of fire ranging costs by the Province and licensee on licensed lands was enacted, to be supplemented by placing fire rangers on unlicensed Crown lands at public expense in 1897. This was further revised in 1910 when license holders were required to assume the full costs of fire ranging on licensed areas.

1911-16—HISTORIC FIRES

In 1911 the Porcupine fire occurred, burning over 864 square miles, causing \$3,000,000.00 property damage. This fire took 73 lives. Five years later, in 1916, the Matheson fire killed 223 persons, burned over 1,000 square miles and caused \$2,000,000.00 property damage.

1917—NEW ACT

The "Forest Fires Prevention Act" of 1917, the forerunner of our present legislation established the permit system of controlling settlers' fires. The principle of the annual, per acre, protection charge on licensed lands

(fire tax) was established under The Crown Timber Act in that year. This same year witnessed the appearance of motor-powered portable pumps in the Ontario protection service. In contrast with the 7 pumps purchased in 1917 there are now more than 1,000 units, many of the very latest design, in use.

1922—HAILEYBURY FIRE

The Haileybury fire of 1922 took 44 lives and caused \$6,000,000.00 property damage while burning over 2,000 square miles.

1924—AIR SERVICE

The year 1924 is noteworthy in that it marks the formation of the Provincial Air Service. The fourteen H52L flying boats purchased in that year have been replaced by a series of other aircraft.

1927—RADIO SERVICE STARTED

Radio communication was first used by the Ontario protection service in the Red Lake Division of the Hudson Inspectorate in North-western Ontario. This was in the year 1927. In 1935 V.H.F. tower radio equipment went into service followed by aircraft radio equipment in 1939.

1938—FORT FRANCES FIRES

In 1938 there were 17 deaths as a result of fires in the Fort Frances District.

1941—This year saw Protection created as Division of the Department instead of a Branch as formerly.

1946—This year 1946 witnessed the initiation of the province-wide area-seen survey in connection with the tower detection system. The Forest Insect Laboratory at Sault Ste. Marie was completed in that year.

1948—NEW FIRE ACT

The Forest Fires Prevention Act was rewritten to its present form in 1948; only minor amendments have been added since that time. This was the year of the Mississagi fire with the subsequent salvage of 200,000 M.B.F. of lumber and 125,000 cords of pulpwood.

1949—PROVINCE-WIDE RADIO NETWORK COMPLETED

The province-wide radio network, with the "key" station at Maple was completed in 1949.

1952—FLYING SUPPRESSION CREWS

In 1952 suppression crews were being carried on routine aerial detection patrols, and the year 1953 was marked by the use of helicopters, throughout the Fire Season, for the first time.

1953—FOREST PATHOLOGY LABORATORY

The Laboratory of Forest Pathology at the Southern Research Station, Maple, was completed in 1953.

1955—BAD FIRE YEAR

A very heavy and sustained fire-load was experienced in 1955. Suppression action featured mobility of resources, the use of water-bombing and cargo-dropping techniques, and the teamwork of the helicopters and the Beaver aircraft. The value of the larger, transport type, helicopter was well demonstrated during the critical period when, through the courtesy of the R.C.A.F., a Sikorski and a Piasecki were made available to the protection service.

1957—Forest Protection and Air Service Divisions were consolidated with Air Service as a branch of Forest Protection.

AIR SERVICE BRANCH

The use of aircraft owned by the Provincial Government in forest protection began in 1924 with the purchase of 15 H.S.2.L. flying boats and during that year 2,500 hours were flown. At that time the flying service was a part of the forest protection organization and Capt. W. Roy Maxwell previously with Laurentide Air Service was appointed its first director.

The installation of bases at strategic points through the forest area followed and this was accompanied by fuel caches appropriately located.

From time to time additions were made to the fleet including a Loening and a Vickers Vedette and as the older types became obsolete newer and more suitable types were obtained. These included the Moth, Stinson, Fairchild Hamilton, DeHavilland and Norseman.

In 1934 Capt. Maxwell was succeeded as Director by Mr. Geo. Ponsford who had a wide experience in both war and peacetime aircraft.

The purchase of the first Beaver aircraft in 1948 (see Aircraft Service Record) was the beginning of a new efficiency in flying operations. The Beaver and the larger model, the Otter, were designed and built to meet Departmental requirements. Their success in Ontario has led to their establishment in many parts of the world.

One Beaver, CF-ODN, was sold to Nova Scotia H.E.P.C. in 1956 and four Beavers have been written off: CF-OCF at Geraldton in 1950, CF-OCM at Temagami in 1951, CF-OCI at Dryden in 1952, and CF-OCW at Lauzon Lake in 1953. A total of 24 aircraft have been written off. The last of nineteen flying fatalities occurred in May, 1952.

The development of water-dropping equipment, begun in 1945, reached fruition in 1957 with the successful use of water tanks mounted on aircraft floats. By 1958, all Service aircraft were equipped with these tanks which have proved to be very valuable in fire-fighting operations.

NUMBER OF ACRES BURNED OVER

| YEAR | Crown | Private | Total | NUMBER OF FIRES | AVERAGE ACREAGE |
|------------|-----------|---------|-----------|--------------------|--------------------|
| 1925..... | 132,481 | 57,062 | 189,543 | 1,149 | 165 |
| 1926..... | 65,888 | 22,486 | 88,374 | 1,110 | 80 |
| 1927..... | 22,772 | 12,970 | 35,742 | 924 | 39 |
| 1928..... | 96,436 | 3,947 | 100,383 | 536 | 189 |
| 1929..... | 608,750 | 16,893 | 625,643 | 1,550 | 404 |
| 1930..... | 357,531 | 354,278 | 711,809 | 1,402 | 508 |
| 1931..... | 105,866 | 32,421 | 138,287 | 1,851 | 75 |
| 1932..... | 626,555 | 52,466 | 679,021 | 2,073 | 328 |
| 1933..... | 325,034 | 24,924 | 349,958 | 1,919 | 182 |
| 1934..... | 160,348 | 38,285 | 198,633 | 1,568 | 127 |
| 1935..... | 183,179 | 67,483 | 250,662 | 1,309 | 191 |
| 1936..... | 1,153,876 | 110,557 | 1,264,433 | 2,264 | 558 |
| 1937..... | 201,887 | 22,859 | 224,746 | 1,453 | 155 |
| 1938..... | 96,168 | 42,077 | 138,245 | 1,292 | 107 |
| 1939..... | 26,089 | 3,009 | 29,098 | 961 | 30 |
| 1940..... | 100,990 | 20,624 | 121,614 | 1,014 | 120 |
| 1941..... | 271,793 | 394,754 | 666,547 | 1,265 | 527 |
| 1942..... | 77,709 | 36,007 | 113,716 | 1,224 | 93 |
| 1943..... | 33,465 | 19,352 | 52,817 | 624 | 85 |
| 1944..... | 73,228 | 95,663 | 168,891 | 1,137 | 149 |
| 1945..... | 17,997 | 30,513 | 48,510 | 966 | 47 |
| 1946..... | 44,656 | 32,113 | 76,769 | 1,739 | 44 |
| 1947..... | 38,093 | 45,939 | 84,032 | 1,393 | 60 |
| 1948..... | 854,778 | 162,611 | 1,017,389 | 2,036 | 500 |
| 1949..... | 40,593 | 19,472 | 60,065 | 1,834 | 33 |
| 1950..... | 13,203 | 23,577 | 36,780 | 985 | 37 |
| 1951..... | 96,662 | 4,581 | 101,243 | 904 | 112 |
| 1952..... | 7,264 | 5,157 | 12,421 | 1,095 | 11 |
| 1953..... | 44,519 | 14,290 | 58,809 | 1,520 | 39 |
| 1954..... | 36,115 | 18,578 | 54,693 | 881 | 62 |
| 1955..... | 370,948 | 25,475 | 396,423 | 2,252 | 176 |
| 1956..... | 221,822 | 4,390 | 226,212 | 1,017 | 222 |
| 1957..... | 24,250 | 22,401 | 46,651 | 1,671 | 28 |
| 1958..... | 25,544 | 11,108 | 36,652 | 1,558 | 24 |
| 1959*..... | 2,580 | 2,699 | 5,279 | 1,027 | 5 |

*Preliminary Report to Dec. 1st, 1959.

1959 FOREST FIRES (Preliminary Report)

| DISTRICT | ACRES BURNED | NUMBER OF FIRES | AVERAGE ACREAGE |
|-----------------------|-----------------|--------------------|--------------------|
| Chapleau..... | 111 | 39 | 3 |
| Cochrane..... | 124 | 37 | 3½ |
| Fort Frances..... | 205 | 38 | 5½ |
| Geraldton..... | 134 | 39 | 3½ |
| Gogama..... | 757 | 40 | 19 |
| Kapuskasing..... | 76 | 37 | 2 |
| Kenora..... | 55 | 43 | 1½ |
| Lake Huron..... | ... | ... | ... |
| Lake Simcoe..... | 16 | 11 | 1½ |
| Lindsay..... | 38 | 40 | 1 |
| North Bay..... | 441 | 75 | 6 |
| Parry Sound..... | 156 | 94 | 1½ |
| Pembroke..... | 82 | 57 | 1½ |
| Port Arthur..... | 472 | 59 | 8 |
| Sault Ste. Marie..... | 115 | 75 | 1½ |
| Sioux Lookout..... | 34 | 16 | 2 |
| Sudbury..... | 759 | 154 | 5 |
| Swastika..... | 1,235 | 59 | 21 |
| Tweed..... | 208 | 98 | 2 |
| White River..... | 261 | 16 | 16½ |

MONTHS

| | | | |
|----------------|-------|-------|-----|
| April..... | 972 | 90 | 10 |
| May..... | 1,051 | 162 | 6½ |
| June..... | 692 | 161 | 4½ |
| July..... | 2,045 | 340 | 6 |
| August..... | 514 | 247 | 2 |
| September..... | 5 | 26 | ... |
| October..... | ... | 1 | ... |
| TOTAL..... | 5,279 | 1,027 | 5 |

FOREST FIRES CLASSIFIED BY ORIGIN, AGENCY OF DETECTION, AND SIZE

| ORIGIN | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959* |
|------------------------|------|-------|-------|-------|-------|------|------|-------|-------|------|-------|-------|-------|-------|-------|
| Settlers..... | 44 | 80 | 75 | 147 | 152 | 107 | 74 | 112 | 92 | 42 | 148 | 49 | 125 | 123 | 51 |
| Campers..... | 289 | 481 | 298 | 432 | 451 | 256 | 191 | 315 | 388 | 221 | 390 | 196 | 379 | 325 | 323 |
| Smokers..... | 231 | 383 | 248 | 461 | 340 | 258 | 173 | 214 | 279 | 147 | 298 | 145 | 342 | 371 | 159 |
| Railways..... | 163 | 249 | 180 | 333 | 138 | 99 | 139 | 131 | 188 | 82 | 189 | 122 | 176 | 149 | 67 |
| Road Construction..... | 4 | 21 | 30 | 46 | 85 | 47 | 28 | 26 | 13 | 11 | 13 | 34 | 73 | 63 | 12 |
| Logging..... | 32 | 68 | 56 | 52 | 52 | 29 | 38 | 31 | 24 | 13 | 53 | 22 | 39 | 17 | 25 |
| Mining..... | 3 | 11 | 6 | 6 | 6 | 3 | 12 | 5 | 2 | 3 | 11 | 6 | 7 | 1 | 2 |
| Prospectors..... | 3 | 2 | 2 | 2 | 6 | 1 | .... | .... | 1 | 2 | 11 | 8 | 3 | 1 | 4 |
| Incendiary..... | 8 | 31 | 15 | 35 | 32 | 16 | 16 | 13 | 19 | 25 | 31 | 8 | 26 | 43 | 13 |
| Miscellaneous..... | 36 | 68 | 31 | 31 | 94 | 68 | 74 | 108 | 143 | 74 | 148 | 123 | 194 | 229 | 116 |
| Unknown..... | 32 | 42 | 42 | 9 | 10 | 8 | 8 | 10 | 14 | 9 | 32 | 2 | 32 | 17 | 13 |
| Lightning..... | 121 | 303 | 410 | 433 | 468 | 93 | 151 | 130 | 357 | 252 | 928 | 302 | 275 | 219 | 242 |
| TOTAL..... | 966 | 1,739 | 1,393 | 2,036 | 1,834 | 985 | 904 | 1,095 | 1,520 | 881 | 2,252 | 1,017 | 1,671 | 1,558 | 1,027 |
| Man Caused—Total..... | 845 | 1,436 | 983 | 1,603 | 1,366 | 892 | 753 | 965 | 1,163 | 629 | 1,324 | 715 | 1,396 | 1,339 | 785 |
| Percentage.. | 87 | 83 | 71 | 79 | 74 | 91 | 83 | 88 | 77 | 71 | 59 | 70 | 84 | 86 | 76 |
| Prosecutions..... | | | | | | | | | | | | 62 | 55 | 71 | 38 |
| Convictions..... | | | | | | | | | | | | 56 | 41 | 62 | 35 |

*Preliminary Report to Dec. 1st, 1959.

| MEANS OF DETECTION | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959* |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Towers..... | 314 | 615 | 424 | 575 | 630 | 352 | 310 | 344 | 528 | 353 | 891 | 262 | 575 | 581 | 414 |
| Aircraft..... | 121 | 197 | 264 | 411 | 337 | 117 | 122 | 139 | 216 | 126 | 395 | 189 | 202 | 121 | 91 |
| Rangers..... | 134 | 260 | 158 | 241 | 168 | 93 | 72 | 82 | 122 | 46 | 102 | 57 | 141 | 87 | 66 |
| Public..... | 397 | 667 | 547 | 809 | 699 | 423 | 400 | 530 | 654 | 356 | 864 | 509 | 753 | 769 | 456 |

| SIZE | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959* |
|-------------------------|------|------|------|------|------|------|------|------|------|------|-------|------|------|------|-------|
| 1/4 acre..... | 211 | 490 | 412 | 571 | 574 | 260 | 329 | 391 | 500 | 354 | 846 | 395 | 575 | 490 | 469 |
| 1/4-5 acres..... | 457 | 784 | 626 | 894 | 811 | 426 | 383 | 516 | 719 | 392 | 1,004 | 456 | 741 | 753 | 433 |
| 5-10 acres..... | 75 | 129 | 97 | 155 | 122 | 92 | 45 | 65 | 102 | 36 | 120 | 46 | 120 | 108 | 59 |
| 10-100 acres..... | 159 | 233 | 177 | 285 | 242 | 155 | 115 | 103 | 146 | 81 | 188 | 66 | 187 | 178 | 56 |
| 100-500 acres..... | 43 | 78 | 50 | 74 | 61 | 43 | 21 | 16 | 33 | 9 | 52 | 26 | 37 | 20 | 9 |
| 500-1,000 acres..... | 11 | 13 | 12 | 24 | 16 | 3 | 5 | 3 | 7 | 2 | 16 | 4 | 7 | 4 | 1 |
| 1,000-10,000 acres..... | 10 | 12 | 19 | 24 | 7 | 6 | 4 | 1 | 13 | 5 | 18 | 21 | 3 | 5 | ... |
| Over 10,000 acres..... | ... | ... | ... | 9 | 1 | ... | 2 | ... | ... | 2 | 8 | 3 | 1 | ... | ... |
| AVERAGE SIZE (Acres) | 47 | 44 | 60 | 500 | 33 | 37 | 112 | 11 | 39 | 62 | 176 | 222 | 28 | 24 | 5 |

*Preliminary Report to Dec. 1st, 1959.

ESTIMATED FIRE DAMAGE (In Years Ending 31st December)

| YEAR | TIMBER DAMAGE (000's Cu. Ft.) | | | TIMBER DAMAGE (Crown Dues, Only) | | | DAMAGE TO REPRODUCTION* | | | TOTAL DAMAGE | PRIVATE PROPERTY DAMAGE |
|--------|----------------------------------|---------|---------|-------------------------------------|----------|-----------|-------------------------|----------|-----------|-----------------|-------------------------------|
| | Crown | Private | Total | Crown | Private | Total | Crown | Private | Total | | |
| 1950.. | 1,624 | 1,937 | 3,561 | \$ 16,244 | \$19,365 | \$ 35,609 | \$ 8,611 | \$10,927 | \$ 19,538 | \$ 55,148 | \$103,682 |
| 1951.. | 29,401 | 188 | 29,590 | 294,015 | 1,880 | 295,895 | 92,431 | 1,121 | 93,552 | 389,447 | 56,389 |
| 1952.. | 1,401 | 577 | 1,978 | 14,013 | 5,769 | 19,782 | 9,169 | 553 | 9,722 | 29,504 | 31,347 |
| 1953.. | 27,934 | 1,688 | 29,622 | 279,340 | 16,880 | 296,220 | 87,811 | 9,843 | 97,654 | 393,874 | 81,778 |
| 1954.. | 24,825 | 84 | 24,909 | 248,249 | 838 | 249,087 | 156,362 | 793 | 157,154 | 406,241 | 15,650 |
| 1955.. | 267,186 | 587 | 267,773 | 2,671,857 | 5,870 | 2,677,727 | 900,331 | 13,622 | 913,953 | 3591,680 | 184,940 |
| 1956.. | 155,305 | 74 | 155,378 | 2,868,133 | 2,118 | 2,870,251 | 195,491 | 2,411 | 197,901 | 3,068,152 | 22,319 |
| 1957.. | 20,107 | 1,014 | 21,121 | 406,376 | 21,876 | 428,252 | 23,086 | 11,722 | 34,808 | 463,059 | 113,751 |
| 1958.. | 8,721 | 2,465 | 11,186 | 173,377 | 49,309 | 222,685 | 53,576 | 35,242 | 88,818 | 311,503 | 97,036 |
| 1959** | 671 | 42 | 713 | ..... | ..... | 21,851 | ..... | ..... | ..... | ..... | 20,757 |

*Protection Chages, 1950-1955 **Preliminary Report to Dec. 1st, 1959.

REPORT OF MAJOR EQUIPMENT (As of March 31st, 1959)

| DISTRICTS REGIONS AND OTHERS | Portable Pumps | Fire Hose | (000's ft.) | Tents | Fold- downs | Blank- kets | Binocu- lars | Canoes | Outboard Boats | In- board Boats | Barges and Scows | Trucks and Autos | Trail- ers | Trac- tors | Rlwy. Motor Cars | Veloci- pedes | Snow Vehicles |
|------------------------------------|-------------------|--------------|-------------|-------|----------------|----------------|-----------------|--------|-------------------|-----------------------|------------------------|------------------------|---------------|---------------|------------------------|------------------|------------------|
| Chapleau..... | 44 | 230 | 135 | 132 | 56 | 1,874 | 23 | 45 | 11 | 25 | ... | 24 | 5 | 5 | ... | ... | ... |
| Cochrane..... | 62 | 743 | 233 | 123 | 90 | 1,834 | 37 | 54 | 12 | 41 | ... | 40 | 10 | 7 | 8 | ... | 1 |
| Fort Frances..... | 45 | 169 | 121 | 87 | 88 | 976 | 21 | 53 | 25 | 29 | ... | 20 | 5 | 6 | ... | ... | ... |
| Geraldton..... | 106 | 569 | 37 | 196 | 84 | 2,265 | 28 | 70 | 10 | 40 | ... | 41 | 6 | 5 | 4 | 5 | ... |
| Gogama..... | 37 | 235 | 137 | 68 | 37 | 1,055 | 21 | 56 | 10 | 24 | ... | 22 | 7 | 5 | 7 | ... | ... |
| Kapuskasing..... | 47 | 509 | 140 | 108 | 55 | 1,704 | 33 | 60 | 8 | 32 | ... | 31 | 8 | 5 | 8 | 7 | 3 |
| Kemptville..... | 14 | 101 | 28 | 6 | 7 | 6 | 11 | 1 | 26 | 17 | ... | 23 | 10 | 12 | ... | ... | ... |
| Kenora..... | 72 | 208 | 248 | 105 | 59 | 934 | 27 | 57 | 28 | 33 | ... | 41 | 6 | 3 | 1 | ... | ... |
| Aylmer..... | 7 | 90 | 19 | ... | 7 | 14 | 24 | 4 | 11 | 12 | ... | 42 | 18 | 12 | ... | ... | ... |
| Hespeler..... | 9 | 154 | 24 | 4 | 11 | 4 | 26 | 2 | 13 | 11 | ... | 50 | 23 | 10 | ... | ... | ... |
| Maple..... | 31 | 231 | 61 | 15 | 7 | 355 | 25 | 4 | 21 | 22 | ... | 54 | 17 | 22 | ... | ... | 1 |
| Lindsay..... | 54 | 281 | 120 | 35 | 42 | 578 | 32 | 31 | 40 | 35 | ... | 51 | 21 | 16 | ... | ... | ... |
| North Bay..... | 50 | 201 | 141 | 113 | 109 | 831 | 40 | 77 | 31 | 46 | ... | 48 | 6 | 5 | ... | ... | ... |
| Parry Sound..... | 49 | 240 | 122 | 54 | 79 | 1,238 | 33 | 47 | 23 | 50 | ... | 42 | 12 | 3 | ... | 3 | ... |
| Pembroke..... | 147 | 391 | 166 | 130 | 125 | 1,367 | 22 | 95 | 23 | 68 | ... | 58 | 10 | 12 | 6 | 1 | ... |
| Port Arthur..... | 65 | 220 | 182 | 134 | 66 | 1,434 | 27 | 43 | 18 | 26 | ... | 44 | 10 | 8 | ... | ... | 1 |
| Sault Ste. Marie..... | 71 | 763 | 199 | 207 | 70 | 3,549 | 29 | 46 | 13 | 27 | ... | 53 | 8 | 9 | 3 | 1 | 1 |
| St. Louis Lookout..... | 103 | 493 | 329 | 158 | 62 | 1,595 | 23 | 56 | 14 | 49 | ... | 27 | 5 | 3 | 3 | 3 | 2 |
| Sudbury..... | 63 | 363 | 252 | 136 | 45 | 2,269 | 32 | 53 | 26 | 41 | ... | 46 | 8 | 9 | ... | ... | ... |
| Swastika..... | 47 | 374 | 140 | 103 | 72 | 708 | 19 | 29 | 22 | 28 | ... | 31 | 17 | 5 | 1 | ... | ... |
| Twed..... | 43 | 429 | 95 | 46 | 65 | 367 | 39 | 12 | 56 | 43 | ... | 43 | 24 | 3 | ... | ... | ... |
| White River..... | 50 | 274 | 126 | 108 | 50 | 732 | 17 | 57 | 7 | 22 | ... | 28 | 5 | 3 | 2 | 2 | 1 |
| ✓ Central..... | 54 | 511 | 182 | 68 | 6 | 394 | ... | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... | ... |
| South-Central..... | 30 | ... | ... | 72 | 1 | ... | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... |
| Mid-Western..... | 20 | 146 | 102 | 6 | ... | 140 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Northern..... | 35 | 230 | 21 | 60 | ... | 1,000 | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| South-Eastern..... | ... | ... | 99 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Western..... | 20 | 152 | 95 | 46 | ... | 560 | ... | ... | ... | ... | ... | ... | ... | 1 | ... | ... | ... |
| Ranger School..... | 9 | 29 | 13 | 6 | 2 | 954 | 3 | 19 | 5 | 4 | ... | 2 | 1 | 2 | ... | ... | ... |
| Air Service..... | ... | ... | ... | 2 | 120 | 202 | ... | 9 | 8 | 28 | ... | 6 | ... | 3 | ... | ... | ... |
| Research..... | 4 | ... | ... | 74 | 104 | 85 | 17 | 8 | 11 | 14 | ... | 33 | 4 | 8 | ... | ... | ... |
| Head Office..... | 8 | ... | ... | 81 | 150 | ... | 37 | 17 | 22 | 17 | ... | 17 | 3 | 3 | ... | ... | ... |
| TOTAL..... | 1,396 | 8,336 | 3,551 | 2,483 | 1,671 | 29,024 | 647 | 1,005 | 519 | 785 | 48 | 7 | 918 | 186 | 44 | 22 | 10 |

MAJOR EQUIPMENT (AS OF 31st MARCH)

| | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Portable Power Pumps... | 634 | 697 | 710 | 729 | 795 | 838 | 896 | 976 | 1,029 | 1,062 | 1,097 | 1,218 | 1,215 | 1,255 | 1,396 |
| Portable Hand Pumps... | 3,467 | 3,556 | 3,656 | 4,141 | 4,309 | 4,622 | 5,717 | 6,154 | 6,206 | 6,406 | 6,362 | 7,907 | 7,899 | 8,712 | 8,336 |
| Hose (000's Feet)..... | 1,902 | 1,752 | 1,838 | 1,922 | 2,110 | 2,148 | 2,144 | 2,266 | 2,743 | 2,826 | 2,714 | 3,319 | 3,312 | 3,890 | 3,551 |
| Tents..... | 1,274 | 1,272 | 1,267 | 1,321 | 1,558 | 1,611 | 1,567 | 1,698 | 1,841 | 2,030 | 1,997 | 2,376 | 2,469 | 2,438 | 2,483 |
| Eiderdowns..... | | | | | | | | | | | 1,365 | 1,506 | 1,538 | 1,597 | 1,671 |
| Blankets..... | 21,122 | 20,911 | 22,302 | 24,928 | 25,670 | 24,840 | 24,104 | 24,816 | 27,966 | 30,314 | 32,668 | 31,582 | 29,288 | 29,505 | 29,024 |
| Binoculars..... | 170 | 259 | 167 | 229 | 325 | 369 | 382 | 445 | 556 | 575 | 573 | 642 | 609 | 615 | 647 |
| Canoes..... | 987 | 986 | 977 | 1,044 | 1,041 | 1,051 | 1,003 | 1,084 | 1,142 | 1,061 | 1,114 | 1,087 | 1,073 | 1,052 | 1,005 |
| Boats (Outboard)..... | | | | | | | 231 | 278 | 373 | 379 | 418 | 434 | 459 | 493 | 519 |
| Motors (Outboard)..... | 248 | 247 | 265 | 363 | 438 | 476 | 501 | 552 | 648 | 690 | 752 | 771 | 771 | 800 | 785 |
| Boats (Inboard)..... | 47 | 47 | 48 | 57 | 61 | 60 | 57 | 63 | 63 | 61 | 55 | 64 | 60 | 59 | 48 |
| Barges and Scows..... | | | | | | | | | | | | | 4 | 6 | 7 |
| Trucks and Autos..... | 128 | 130 | 140 | 201 | 279 | 318 | 400 | 491 | 666 | 730 | 715 | 786 | 751 | 861 | 918 |
| Trailers..... | | | | | | | | | | | 107 | 141 | 166 | 205 | 249 |
| Tractors..... | | | | | | | | 50 | 73 | 93 | 101 | 121 | 134 | 312 | 186 |
| Railway Motor Cars..... | 48 | 49 | 49 | 47 | 47 | 46 | 44 | 44 | 50 | 49 | 45 | 47 | 46 | 44 | 44 |
| Velocipedes..... | 83 | 76 | 73 | 61 | 50 | 35 | | | | | | | 24 | 24 | 22 |
| Snowmobiles..... | | | | | | | | | | | 7 | 8 | 10 | 14 | 10 |
| Radio Sets, Stations..... | 206 | 245 | 252 | 279 | 285 | 310 | 347 | 397 | 613 | 686 | 801 | 825 | 899 | 1,047 | 1,140 |

MAJOR IMPROVEMENTS (COMPLETED AS OF 31st MARCH)

| | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Cabins..... | 527 | 538 | 547 | 561 | 537 | 514 | 534 | 555 | 525 | 508 | 489 | 511 | 512 | 547 | 567 |
| Storehouses..... | 136 | 144 | 152 | 150 | 149 | 150 | 134 | 135 | 138 | 143 | 144 | 146 | 189 | 195 | 199 |
| Boathouses..... | 43 | 59 | 60 | 61 | 56 | 63 | 68 | 67 | 72 | 74 | 82 | 83 | 85 | 80 | 79 |
| Store and Boat Houses... | 36 | 27 | 27 | 14 | 17 | 15 | 18 | 18 | 24 | 17 | 24 | 26 | 24 | 24 | 25 |
| Bunkhouses..... | 77 | 63 | 62 | 64 | 57 | 60 | 58 | 60 | 68 | 64 | 65 | 88 | 95 | 102 | 68 |
| Offices..... | 29 | 32 | 36 | 36 | 39 | 46 | 54 | 52 | 52 | 61 | 61 | 62 | 72 | 82 | 77 |
| Garages, Carhouses..... | 88 | 87 | 89 | 92 | 99 | 93 | 106 | 104 | 114 | 139 | 182 | 208 | 247 | 238 | 236 |
| Other Buildings..... | 200 | 213 | 213 | 220 | 269 | 232 | 266 | 280 | 325 | 309 | 391 | 365 | 451 | 532 | 603 |
| Hose Towers..... | 55 | 53 | 63 | 51 | 62 | 58 | 49 | 41 | 51 | 33 | 30 | 32 | 36 | 36 | 43 |
| Wooden Towers..... | 62 | 63 | 52 | 56 | 52 | 39 | 36 | 32 | 32 | 20 | 19 | 18 | 16 | 9 | 6 |
| Steel Towers..... | 225 | 227 | 227 | 234 | 230 | 231 | 271 | 281 | 279 | 279 | 280 | 288 | 292 | 302 | 308 |
| Telephone Lines (miles) .. | 4,727 | 4,455 | 3,740 | 3,956 | 3,769 | 3,775 | 3,651 | 3,567 | 3,420 | 3,061 | 2,810 | 2,669 | 2,216 | 2,316 | 1,284 |

FOREST PROTECTION PERMITS

| YEAR | FIRE PERMITS | WORK PERMITS | | TRAVEL PERMITS | |
|-----------|-----------------|--------------|--------|----------------|---------|
| | | Permits | Men | Permits | Persons |
| 1925..... | 11,962 | ..... | ..... | ..... | ..... |
| 1926..... | 13,466 | ..... | ..... | ..... | ..... |
| 1927..... | 13,593 | ..... | ..... | 6,548 | 15,669 |
| 1928..... | 13,611 | ..... | ..... | 15,406 | 42,566 |
| 1929..... | 14,038 | ..... | ..... | 20,738 | 51,443 |
| 1930..... | 15,094 | ..... | ..... | 36,799 | 91,457 |
| 1931..... | 27,031 | 3,642 | 27,078 | 48,593 | 135,975 |
| 1932..... | 23,187 | 3,626 | 23,186 | 46,753 | 132,783 |
| 1933..... | 26,922 | 5,464 | 33,474 | 14,161 | 35,921 |
| 1934..... | 20,962 | 6,029 | 56,405 | 12,178 | 30,162 |
| 1935..... | 18,988 | ..... | ..... | 9,774 | 28,606 |
| 1936..... | 18,964 | ..... | ..... | 8,447 | 26,564 |
| 1937..... | 15,400 | 4,434 | 57,978 | 8,947 | 28,946 |
| 1938..... | 15,035 | 4,106 | 44,882 | 12,216 | 38,952 |
| 1939..... | 15,565 | 3,686 | 48,208 | 12,707 | 40,446 |
| 1940..... | 14,522 | 2,684 | 46,727 | 10,162 | 33,350 |
| 1941..... | 7,833 | 2,251 | 46,079 | 11,353 | 36,315 |
| 1942..... | 8,542 | 1,826 | 40,194 | 8,358 | 24,725 |
| 1943..... | 5,242 | 2,272 | 34,440 | 11,004 | 28,567 |
| 1944..... | 5,106 | 2,173 | 34,927 | 13,510 | 41,569 |
| 1945..... | 5,764 | 2,799 | 47,280 | 20,393 | 70,085 |
| 1946..... | 8,940 | 3,496 | 67,346 | 35,794 | 112,191 |
| 1947..... | 7,925 | 3,491 | 61,140 | 51,187 | 146,185 |
| 1948..... | 9,237 | 3,030 | 51,736 | 61,384 | 194,617 |
| 1949..... | 11,546 | 3,168 | 47,465 | 90,206 | 256,320 |
| 1950..... | 9,357 | 3,753 | 57,581 | 86,975 | 323,870 |
| 1951..... | 9,647 | 4,130 | 65,762 | 114,998 | 422,938 |
| 1952..... | 11,764 | 3,971 | 55,882 | 124,193 | 455,979 |
| 1953..... | 14,189 | 3,585 | 49,387 | 146,481 | 506,703 |
| 1954..... | 12,315 | 3,496 | 67,346 | 113,971 | 408,018 |
| 1955..... | 14,803 | 3,668 | 76,703 | 211,724 | 717,542 |
| 1956..... | 14,142 | 3,939 | 62,469 | 181,396 | 608,138 |
| 1957..... | 12,778 | 3,095 | 55,227 | 118,690 | 427,834 |
| 1958..... | 15,842 | 2,922 | 44,362 | 121,373 | 412,468 |

AIR SERVICE BRANCH BASE OPENING DATES (or First Float Flying)

| Base | 1933 | 1934 | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | 1941 | 1942 | 1943 | 1944 | 1945 |
|---------------------|----------|----------|--------|---------|----------|----------|----------|--------|----------|----------|--------|----------|----------|
| Algonquin Park.... | 29 April | 4 May | 1 May | 4 May | 3 May | 6 May | 7 May | 5 May | 21 April | 26 April | 8 May | 3 May | 26 April |
| Caribou Lake..... | 27 May | 25 May | 21 May | 24 May | 17 May | 24 May | 15 May | 19 May | 10 May | 5 May | 5 June | 19 May | 12 May |
| Biscotasing..... | 15 May | 14 May | 14 May | 14 May | 8 May | 2 May | 12 May | 7 May | 2 May | 27 April | 17 May | 7 May | 26 April |
| Fort Frances..... | ..... | 15 May | 3 May | 19 May | 13 May | 11 May | 11 May | 15 May | 2 May | 29 April | 12 May | 15 May | 27 April |
| Geraldton..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 14 May | ..... |
| Goose Island..... | 16 May | 20 May | 17 May | 19 May | 25 May | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Ignace | 3 July | 16 May | 15 May | 19 May | 17 May | 14 May | 12 May | 18 May | 1 May | 29 April | 18 May | 19 May | 12 May |
| Kenora..... | 10 May | 11 May | 10 May | 18 May | 15 May | 12 May | 9 May | 15 May | 30 April | 29 April | 12 May | 20 May | 10 May |
| Oba Lake..... | 16 May | 19 May | 20 May | 24 May | 7 May | 9 May | 16 May | 22 May | 13 May | 1 May | 18 May | 17 May | 5 May |
| Orient Bay..... | 10 June | 26 May | 23 May | 24 May | 10 May | 14 May | 19 May | 28 May | 12 May | 8 July | 28 May | 23 May | 23 May |
| Pays Plat..... | ..... | ..... | ..... | ..... | ..... | ..... | 14 May | 9 May | 1 May | 4 May | 11 May | 8 May | 9 May |
| Pickle Lake..... | ..... | ..... | ..... | 28 May | 27 May | 18 May | 29 May | 24 May | 14 May | ..... | ..... | ..... | ..... |
| Port Arthur..... | 6 May | 12 May | 3 May | 15 May | 27 April | 14 May | 12 May | 9 May | 1 May | 29 April | 11 May | 16 May | 2 May |
| Red Lake..... | ..... | ..... | ..... | ..... | ..... | 16 May | 13 May | 23 May | 10 May | 4 May | 22 May | 19 May | 10 May |
| Remi Lake..... | ..... | 25 May | 23 May | 1 June | 14 May | 16 May | 22 May | 29 May | 17 May | 5 May | 21 May | 17 May | 3 May |
| Sault Ste. Marie... | 21 April | 24 April | 2 May | 1 April | ..... | 21 April | 28 April | 2 May | ..... | 24 April | 10 May | 27 April | 10 April |
| Sioux Lookout..... | 10 May | 16 May | 16 May | 18 May | 13 May | 5 May | 11 May | 18 May | 1 May | 29 April | 17 May | 15 May | 10 May |
| Sudbury..... | 3 May | 8 May | 2 May | 8 May | 4 May | 30 April | 5 May | 4 May | 30 April | 29 April | 7 May | 8 May | 1 May |
| Temagami..... | ..... | ..... | ..... | ..... | ..... | 3 May | 13 May | 7 May | 3 May | 29 April | 18 May | 8 May | 20 April |
| Twin Lakes..... | 14 May | 26 May | 21 May | 1 June | 18 May | 16 May | 18 May | 23 May | 12 May | 5 May | 19 May | 18 May | 12 May |
| Whitefish Lake..... | 15 May | 19 May | 16 May | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |

AIR SERVICE BRANCH BASE OPENING DATES (or First Float Flying)—Cont'd

| BASE | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 |
|-----------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Algonquin Park..... | 30 April | 8 May | 19 April | 2 April | 17 May | 29 April | 24 April | 21 April | 29 April | 21 April | 11 May | 25 April | 23 April |
| Carey Lake..... | 23 May | 3 June | 19 May | 9 May | 1 June | 21 May | 10 May | 15 May | 18 May | 30 April | 27 May | 7 May | 9 May |
| Caribou Lake..... | ..... | 8 May | 28 April | 10 May | 20 May | 30 April | 7 May | 14 May | 4 May | 1 May | 1 June | 13 May | 15 May |
| Chapleau..... | 22 April | 17 May | ..... | 7 May | 16 May | ..... | 8 May | 8 May | ..... | 22 April | 14 May | 3 May | 24 April |
| Biscotasing..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Eva Lake..... | 27 April | 16 May | 8 May | 1 May | 20 May | 10 May | 30 April | 29 April | 17 May | 28 April | 16 May | 6 May | * |
| Fort Frances..... | 7 May | 20 May | 11 May | 30 April | 24 May | 7 May | 5 May | 4 May | 13 May | 27 April | 16 May | 29 April | 18 April |
| Geraldton..... | ..... | 14 May | 27 April | 4 May | 20 May | 9 May | 23 April | 29 April | 3 May | 22 April | 14 May | 7 May | 5 May |
| Gogama..... | ..... | 14 May | 27 April | 30 April | 8 May | 24 April | 1 May | 5 May | 18 May | 28 April | 16 May | 1 May | 28 April |
| Ignace..... | 1 May | 20 May | 10 May | 3 May | 22 May | 9 May | 1 May | 5 May | ..... | 26 April | 22 May | 6 May | 2 May |
| Kenogami..... | ..... | ..... | ..... | ..... | ..... | 10 May | 2 May | 7 May | 9 May | 26 April | 22 May | 10 May | 4 May |
| Kenora..... | 14 May | 20 May | 8 May | 3 May | 22 May | 10 May | 1 May | 7 May | 18 May | 27 April | 17 May | 6 May | 15 April |
| Lauzon Lake..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 18 April | 28 April | 19 April | 7 May | 29 April | 17 April |
| Nym Lake..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 2 May |
| Oba Lake..... | 7 May | 27 May | 5 May | 10 May | 8 May | 8 May | 8 May | 10 May | 15 May | 28 April | 16 May | 9 May | 4 May |
| Orient Bay..... | 7 May | 12 June | 18 May | 12 May | 23 May | 16 May | 7 May | 8 May | 21 May | 1 May | 1 June | 13 May | ** |
| Parry Sound..... | ..... | 6 May | 12 May | 13 April | 27 April | 17 April | 23 April | 30 Mar. | 20 April | 18 April | 3 May | 28 April | 21 April |
| Pays Plat..... | 30 April | 14 May | 8 May | 7 May | 18 May | 8 May | 2 May | 6 May | 11 May | 4 May | 15 May | 6 May | 2 May |
| Pickle Lake..... | 26 May | 2 June | 18 May | 9 May | 3 June | 17 May | 7 May | 13 May | 22 June | 6 May | 1 June | 13 May | 16 May |
| Port Arthur..... | 30 April | 16 May | 3 May | 30 April | 19 May | 2 May | 22 April | 30 April | 7 May | 22 April | 30 April | 29 April | 30 April |
| Red Lake..... | 7 May | 26 May | 13 May | 3 May | 29 May | 15 May | 3 May | 8 May | 21 May | 28 April | 19 May | 9 May | 2 May |
| Remi Lake..... | 15 May | 2 June | 10 May | 4 May | 23 May | 3 May | 2 May | 13 May | 19 May | 29 April | 21 May | 6 May | 7 May |
| Sault Ste. Marie..... | 11 April | 30 April | 14 April | 7 April | 6 April | 9 April | 7 April | 27 Mar. | 13 April | 19 April | 3 May | 29 April | 26 Mar. |
| Sioux Lookout..... | 3 May | 20 May | 12 May | 1 May | 27 May | 12 May | 3 May | 7 May | 20 May | 27 April | 19 May | 10 May | 1 May |
| South Porcupine..... | 3 May | 27 May | 1 May | 3 May | 19 May | 30 April | 1 May | 5 May | 5 May | 27 April | 15 May | 6 May | 2 May |
| Sudbury..... | 13 April | 14 May | 27 April | 25 April | 12 April | 25 April | 28 April | 20 April | 29 April | 19 April | 9 May | 1 May | 18 April |
| Temagami..... | 23 April | 17 May | 27 April | 20 April | 15 May | 1 May | 1 May | 28 April | 4 May | 26 April | 17 May | 3 May | 2 May |
| Tweed..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 18 April |
| Twin Lakes..... | 22 May | 8 June | 14 May | 14 May | 30 May | 1 May | 16 May | 13 May | 22 May | 6 May | 17 June | 28 April | 13 May |
| White River..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 11 May | 18 May | 29 April | 21 May | 10 May | 2 May |

**Moved to Port Arthur

*Moved to Nym Lake

AIR SERVICE BRANCH BASE OPENING DATES

(or First Float Flying)—Cont'd

| BASE | 1959 |
|-----------------------|----------|
| Algonquin Park..... | 5 May |
| Carey Lake..... | 12 May |
| Caribou Lake..... | 15 May |
| Chapleau..... | 4 May |
| Fort Frances..... | 28 April |
| Geraldton..... | 10 May |
| Gogama..... | 6 May |
| Ignace..... | 8 May |
| Kenogami..... | 12 May |
| Kenora..... | 30 April |
| Lauzon Lake..... | 29 April |
| Nym Lake..... | 8 May |
| Oba Lake..... | 11 May |
| Parry Sound..... | 27 April |
| Pays Plat..... | 8 May |
| Pickle Lake..... | 15 May |
| Port Arthur..... | 24 April |
| Red Lake..... | 14 May |
| Remi Lake..... | 12 May |
| Sault Ste. Marie..... | 8 April |
| Sioux Lookout..... | 14 May |
| South Porcupine..... | 8 May |
| Sudbury..... | 1 May |
| Temagami..... | 8 May |
| Tweed..... | 27 April |
| Twin Lakes..... | 15 May |
| White River..... | 12 May |

TORONTO: Year round.

FLYING TIME—PILOTS

| SURNAME | Initials | 1924-58 | 1958-59 | TOTAL |
|-------------------|----------|------------|-----------|------------|
| Allen..... | DW | 1,724:40 | 217:10 | 1,941:50 |
| Ballantyne.. | DE | 645:05 | 291:35 | 936:40 |
| Beaushene... | DG | 2,086:50 | 362:50 | 2,449:40 |
| Bieck..... | AH | ..... | 284:00 | 284:00 |
| Buckworth.. | WB | 3,019:15 | ..... | 3,019:15 |
| Burt..... | AE | 6,504:15 | 394:55 | 6,899:10 |
| Calver..... | DRH | 1,771:10 | 346:15 | 2,117:25 |
| Campbell.... | GE | 2,730:05 | 591:20 | 3,321:25 |
| Colfer..... | AP | 3,760:25 | 679:30 | 4,439:55 |
| Cooke..... | TC | 5,020:10 | 372:55 | 5,393:05 |
| Cram..... | WW | 46:00 | 247:55 | 293:55 |
| Croft..... | BR | 37:10 | 384:20 | 421:30 |
| Croal..... | DM | ..... | 319:50 | 319:50 |
| Culliton.... | JP | 3,954:15 | 19:25 | 3,973:40 |
| Denley..... | JG | 6,076:25 | 453:35 | 6,530:00 |
| Dyck..... | EJ | 98:30 | 67:10 | 165:40 |
| Evans..... | FB | 3,234:50 | 267:30 | 3,502:20 |
| Fiskar..... | UW | 2,422:55 | 337:55 | 2,760:50 |
| Glennie..... | NA | 976:10 | 383:35 | 1,359:45 |
| Hoar..... | HA | 2,277:20 | 170:35 | 2,447:55 |
| Hoeberg..... | PS | 1,853:50 | 292:35 | 2,146:25 |
| Hugill..... | WA | 1,361:50 | 268:20 | 1,630:10 |
| Kincaid..... | J | 5,784:10 | 445:30 | 6,229:40 |
| Kirk..... | CJ | 3,369:05 | 361:05 | 3,730:10 |
| Lamont..... | JA | 2,476:35 | 329:50 | 2,806:25 |
| LeFeuvre.... | CJ | 7,526:55 | 345:30 | 7,872:25 |
| Lowe..... | B | 500:05 | 216:40 | 716:45 |
| MacDougall.. | FA | 4,793:15 | 105:00 | 4,898:15 |
| North..... | DH | ..... | 268:45 | 268:45 |
| Parsons..... | R | 6,578:15 | 177:15 | 6,755:30 |
| Ponsford.... | GE | 1,335:30 | 75:40 | 1,411:10 |
| Poulin..... | LD | 7,319:10 | 22:05 | 7,341:15 |
| Reid..... | DM | 3,700:15 | 21:45 | 3,722:00 |
| Siegel..... | J | 4,049:40 | 225:25 | 4,275:05 |
| Speight..... | HC | 5,537:45 | 566:00 | 6,103:45 |
| Stone..... | RWE | 4,236:45 | 597:45 | 4,834:30 |
| Smith..... | AB | 6,066:30 | 388:25 | 6,454:55 |
| Stewart..... | AL | 811:30 | 343:25 | 1,154:55 |
| Taylor..... | JM | 3,267:30 | 91:20 | 3,358:50 |
| Thomas..... | E | 2,566:35 | 244:50 | 2,811:25 |
| Thompson... | FJ | 1,714:30 | 234:40 | 1,949:10 |
| Trussler.... | GE | 6,498:00 | 262:00 | 6,760:00 |
| Turcotte.... | LG | 255:00 | 201:25 | 456:25 |
| Other Pilots..... | | 164,515:05 | ..... | 164,515:05 |
| | | 292,503:15 | 12,277:35 | 304,780:50 |

AIRCRAFT SERVICE RECORD

| 46 AIRCRAFT | Year Purchased | Effective Load (tons) 1958-59 | FLYING HOURS 1958-59 | 1924-59 |
|--------------------|-------------------|-------------------------------------|-------------------------|------------|
| 39 BEAVER | | | | |
| CF-OBS..... | 1948 | 149 | 457:50 | 4,315:00 |
| CF-OBT..... | 1948 | 120 | 371:35 | 3,691:45 |
| CF-OBV..... | 1948 | 113 | 202:15 | 3,338:30 |
| CF-OBW..... | 1948 | 97 | 179:30 | 3,735:25 |
| CF-OBX..... | 1948 | 50 | 144:35 | 3,144:00 |
| CF-OBZ..... | 1948 | 222 | 426:55 | 3,767:10 |
| CF-OCB..... | 1948 | ... | 2:35 | 3,455:35 |
| CF-OCB..... | 1948 | 18 | 31:55 | 3,493:05 |
| CF-OCA..... | 1948 | 130 | 229:00 | 3,015:15 |
| CF-OCB..... | 1948 | 111 | 418:05 | 3,906:40 |
| CF-OCC..... | 1948 | 68 | 261:35 | 3,285:20 |
| CF-OCD..... | 1948 | 71 | 212:55 | 2,981:20 |
| CF-OCE..... | 1949 | 137 | 317:55 | 3,729:40 |
| CF-OCG..... | 1949 | 61 | 211:20 | 2,803:55 |
| CF-OCB..... | 1949 | 65 | 261:15 | 2,882:10 |
| CF-OCJ..... | 1949 | 57 | 187:20 | 2,494:05 |
| CF-OCK..... | 1949 | 218 | 447:45 | 3,276:00 |
| CF-OCL..... | 1949 | 120 | 288:00 | 3,073:45 |
| CF-OCN..... | 1949 | 125 | 276:25 | 3,459:25 |
| CF-OCO..... | 1949 | 103 | 274:05 | 3,063:15 |
| CF-OCP..... | 1949 | 273 | 563:25 | 3,128:05 |
| CF-OCQ..... | 1949 | 50 | 223:25 | 3,658:55 |
| CF-OCR..... | 1949 | 31 | 115:05 | 3,083:10 |
| CF-OCS..... | 1949 | 83 | 318:15 | 3,702:25 |
| CF-OCT..... | 1949 | 96 | 339:00 | 2,750:30 |
| CF-OCU..... | 1950 | 66 | 208:30 | 2,978:10 |
| CF-OCV..... | 1950 | 81 | 51:35 | 2,322:40 |
| CF-OCX..... | 1950 | 72 | 84:35 | 2,366:30 |
| CF-OCY..... | 1950 | 148 | 221:10 | 2,539:20 |
| CF-OCZ..... | 1950 | 68 | 277:30 | 2,074:30 |
| CF-ODA..... | 1951 | 126 | 493:55 | 2,416:35 |
| CF-ODB..... | 1951 | 85 | 281:05 | 2,870:00 |
| CF-ODC..... | 1951 | 113 | 595:05 | 3,491:10 |
| CF-ODD..... | 1951 | 11 | 77:55 | 724:15 |
| CF-ODE..... | 1951 | 47 | 422:30 | 1,847:05 |
| CF-ODF..... | 1952 | 93 | 296:20 | 2,557:30 |
| CF-ODG..... | 1952 | 72 | 342:10 | 2,410:30 |
| CF-ODO..... | 1955 | 14 | 114:40 | 406:35 |
| CF-ODS..... | 1956 | 48 | 104:45 | 178:00 |
| 6 OTTER | | | | |
| CF-ODJ..... | 1953 | 203 | 321:50 | 1,439:55 |
| CF-ODK..... | 1953 | 96 | 138:45 | 1,665:05 |
| CF-ODL..... | 1953 | 272 | 293:05 | 1,572:10 |
| CF-ODP..... | 1956 | 151 | 287:05 | 705:00 |
| CF-ODQ..... | 1956 | 253 | 376:35 | 960:05 |
| CF-ODT..... | 1957 | 275 | 377:40 | 754:40 |
| WIDGEON | | | | |
| CF-ODR..... | | 10 | 148:50 | 609:15 |
| All Other Aircraft | | | | 183,716:10 |
| TOTALS..... | | 4,871 | 12,277:35 | 303,839:45 |

HOURS FLOWN ON VARIOUS OPERATIONS (Summary as of March 31st)

| Year | Fire Ranging | Timber Mngt. | F & W Mngt. | Lands Parks | Re-search | Surveys | Photo Flying | Comm. Flying | Mercy Flights Hours | Total Flying Hours | Pas-sengers Carried, | Per-sonnel Carried | Effective Load (tons) |
|-----------|--------------|--------------|-------------|-------------|-----------|---------|--------------|--------------|---------------------|--------------------|----------------------|--------------------|-----------------------|
| 1924-1949 | 88,732 | ... | 2,985 | ... | 1,442 | ... | 1,415 | ... | 361 | 175,290 | 165,583 | 89,206 | 22,234 |
| 1950 | 6,926 | 604 | 1,644 | 110 | ... | ... | ... | 279 | ... | 13,531 | 30,687 | 5,918 | 3,432 |
| 1951 | 4,211 | 938 | 2,029 | 283 | 303 | ... | ... | 233 | 64 | 11,057 | 27,140 | 5,140 | 3,367 |
| 1952 | 5,498 | 903 | 2,086 | 153 | 360 | ... | 273 | 188 | 168 | 12,800 | 30,439 | 5,410 | 3,164 |
| 1953 | 5,278 | 674 | 1,980 | 149 | 266 | 97 | 280 | 150 | 56 | 11,889 | 25,900 | 5,346 | 3,079 |
| 1954 | 6,302 | 982 | 1,972 | 376 | 386 | 124 | 187 | 574 | 53 | 13,564 | 31,109 | 7,245 | 3,918 |
| 1955 | 5,095 | 1,048 | 2,362 | 246 | 284 | 181 | 244 | 398 | 35 | 12,389 | 29,256 | 5,465 | 3,429 |
| 1956 | 11,396 | 835 | 2,333 | 181 | 192 | 128 | 130 | 458 | 55 | 17,785 | 46,478 | 6,723 | 6,091 |
| 1957 | 5,347 | 986 | 2,289 | 180 | 199 | 72 | 148 | 384 | 34 | 11,692 | 28,789 | 5,099 | 3,481 |
| 1958 | 5,652 | 801 | 2,837 | 190 | 212 | 23 | 24 | 327 | 44 | 12,506 | 28,636 | 5,349 | 3,497 |
| 1959 | 4,275 | 876 | 3,615 | 200 | 272 | 15 | ... | 421 | 39 | 12,278 | 27,506 | 5,197 | 4,871 |
| TOTAL | 148,711 | 8,648 | 26,133 | 2,068 | 583 | 639 | 2,701 | 3,411 | 908 | 304,781 | 471,523 | 146,098 | 66,613 |

DEPARTMENT RADIO STATIONS

(As at June 29, 1959)

NORMAL OPERATING
FREQUENCIES
H.F. V.H.F.
Kc/s Mc/s

| DISTRICT | STATION | CALL SIGN | H.F. Kc/s | V.H.F. Mc/s |
|---------------------|---------------------|----------------|--------------|----------------|
| FORT FRANCES | Fort Frances | XLN21 | 4460 | 46.62 |
| | Lac La Croix | XLN22 | " | " |
| | Atikokan | XLQ71 | | " |
| | Rainy River | XLR59 | | " |
| | French Lake | not yet issued | | " |
| | Nym Lake | " | " | " |
| | Cache Bay | " | " | " |
| | Prairie Portage | " | " | " |
| | Cabin 16 | XLN29 | " | |
| KENORA | Kenora | XLN34 | 4460 | 46.78 |
| | Minaki | XLN32 | " | " |
| | Sioux Narrows | XLN42 | " | " |
| | Dryden | XLN35 | " | " |
| | Ignace | XLN23 | " | " |
| | Nestor Falls | XLN24 | | " |
| | Vermillion Bay | XLS87 | | " |
| | Dymont | XLO96 | | " |
| | McIntosh | XLN27 | " | |
| SIOUX LOOKOUT | Sioux Lookout | XLN37 | 4460 | 46.86 |
| | Red Lake | XLN43 | " | |
| | Pickle Lake | XLN38 | " | |
| | Armstrong | XLN40 | " | |
| | Cedar Lake | XLN75 | " | |
| | Sturgeon Lake | XLQ74 | " | |
| | Ear Falls | XMN50 | " | |
| | Winisk | XLR62 | " | |
| PORT ARTHUR | Port Arthur | XLN45 | 4580 | 46.70 |
| | Shebandowan | XLN47 | " | " |
| | Black Sturgeon Lake | XLN48 | " | " |
| | Upsala | XLN217 | " | " |
| GERALDTON | Geraldton | XLQ35 | 4580 | 46.78 |
| | Pays Plat | XLN56 | " | |
| | Marathon | XLN54 | " | |
| | Killala Lake | XLN55 | " | |
| | Hillspoint | XLQ46 | " | " |
| | Nakina | XLS53 | " | " |
| | Longlac | XLS52 | " | " |
| | Macdiarmid | XLN49 | " | " |
| WHITE RIVER | White River | XLQ78 | 4880 | 46.62 |
| | Franz | XLN62 | " | " |
| | Wawa | XLN63 | " | |
| | Mobert | XLN61 | " | |
| | Manitouwadge Lake | XMN25 | " | |
| SAULT STE. MARIE | Sault Ste. Marie | XLN58 | 4880 | 46.78 |
| | Blind River | XLN65 | " | " |
| | Peshu Lake | XLQ41 | " | |
| | Sand Lake | XLQ77 | " | |
| | Pancake Bay | XLR39 | " | |
| | Kirkwood | XLP44 | | " |
| | Mount Lake | not yet issued | " | " |
| | Camp 4 | " | " | " |

DEPARTMENT RADIO STATIONS—Cont'd

(As at June 29, 1959)

| DISTRICT | STATION | CALL SIGN | NORMAL OPERATING FREQUENCIES | |
|------------------|-------------------------------------|---------------------|---------------------------------|----------------|
| | | | H.F. Kc/s | V.H.F. Mc/s |
| GOGAMA | Gogama | XLN78 | 4880 | 46.82 |
| | Elsas | XLN79 | " | " |
| | Foleyet | XLN84 | " | " |
| | Opishing Lake | XMN42 | " | " |
| | Ronda | XLP69 | " | " |
| CHAPLEAU | Chapleau | XLN82 | 4880 | 46.70 |
| | Missanabie | XLR52 | " | " |
| | Sultan | XLQ73 | " | " |
| | Biscotasing | XLN80 | " | " |
| | Unegam Lake | not yet issued | " | " |
| SUDBURY | Sudbury | XLN77 | 4880 | 46.86 |
| | Skead | XLQ80 | " | " |
| | Espanola | XLQ44 | " | " |
| | Jamot | XLR30 | " | " |
| | Massey | XLR29 | " | " |
| | Windy Lake | not yet issued | " | " |
| | Southbaymouth | XLS86 | " | " |
| | Sandfield | not yet issued | " | " |
| KAPUS- KASING | Kapuskasing | XLQ36 | 4535 | 46.86 |
| | Hearst | XLN69 | " | " |
| | Hornepayne | XLN73 | " | " |
| | Oba | XLN74 | " | " |
| | Nagogamisis Lake Rogers Township | not yet issued " | " | " |
| COCHRANE | Cochrane | XLQ37 | 4535 | 46.78 |
| | Timmins | XLN70 | " | " |
| | Wade Lake | XLQ45 | " | " |
| | Moosonee | XMN43 | " | " |
| | Smooth Rock Falls | XLQ76 | | " |
| | Nellie Lake | XLN208 | | " |
| | Kettles Park Lake | XLN209 | | " |
| SWASTIKA | Swastika | XLN68 | 4535 | 46.62 |
| | Elk Lake | XLN72 | " | " |
| | Matheson | XLS54 | | " |
| | Larder Lake | XLN95 | | " |
| | Matachewan | XLN60 | | " |
| | Gowganda | XLO90 | | " |
| | Hills Lake | XLO89 | | " |
| | Englehart | XLR64 | | " |
| | Burt Twp. Nursery | XLN212 | | " |
| NORTH BAY | North Bay | XLN83 | 4520 | 46.78 |
| | Temagami | XLN81 | " | |
| | Lady Evelyn Lake | XLN42 | " | |
| | McLaren's Bay | XLN207 | " | |
| PEMBROKE | Pembroke | XLN92 | 4520 | 46.86 |
| | Smoke Lake | XLN90 | " | |
| | Brent | XLN91 | " | |
| | Stonecliffe | XLN94 | " | |
| | Whitney | XLQ43 | " | |
| | Achray | XLQ47 | " | |
| | Round Lake | XLR40 | " | |

DEPARTMENT RADIO STATIONS - Cont'd

(As at June 29, 1959)

| DISTRICT | STATION | CALL SIGN | NORMAL OPERATING FREQUENCIES | |
|----------------------------|------------------|----------------|---------------------------------|----------------|
| | | | H.F. Kc/s | V.H.F. Mc/s |
| PARRY SOUND | Parry Sound | XLN89 | 4520 | 46.62 |
| | Loring | XLN93 | | " |
| | Powassan | XMN35 | | " |
| | Byng Inlet | XLS24 | | " |
| | Ardbeg | XMN33 | | " |
| | Dorset | XMN34 | | " |
| | Bracebridge | not yet issued | | " |
| TWEED | Tweed | XLQ69 | 4775 | 46.70 |
| | Bancroft | XLQ50 | " | " |
| | Palmer Rapids | XLR41 | " | " |
| | Dacre | XLS23 | " | " |
| | Plevna | XLN53 | " | " |
| | Gilmour | XMN40 | | " |
| | White Lake | XLP75 | | " |
| | Napanee | XLQ31 | | " |
| | Green Lake | XLR61 | " | |
| LINDSAY | Lindsay | XLR57 | 4775 | 46.78 |
| | Minden | XLQ70 | " | " |
| | Gooderham | XMN27 | " | " |
| | Haliburton | XLR43 | " | " |
| | Peterborough | XLR63 | | " |
| | Presqu'ille Park | XLN46 | | " |
| | Apsley | XMN44 | | " |
| | Ranger School | XLN25 | " | |
| KEMPTVILLE | Kemptville | XMN41 | 4775 | 46.62 |
| LAKE ERIE | Aylmer | XLO52 | 4775 | |
| | St. Williams | XMN28 | " | |
| | Rondeau Park | XLR60 | " | |
| | Pinery Park | not yet issued | " | |
| LAKE SIMCOE | Coldwater | XMN36 | 4775 | |
| | Severn Falls | XMN37 | " | |
| | Honey Harbour | XMN39 | " | |
| | Six Mile Lake | XLR85 | " | |
| HEAD OFFICE* Toronto | Island Airport | XLO53 | 4775 | |
| | Maple Laboratory | XLN20 | " | |
| | Maple | XLP22 | 4520 | 46.62 |
| | | | 4535 | 46.70 |
| | | | 4775 | 46.74 |
| | | | 4880 | 46.78 |
| | | | 5410 | 46.82 |
| | | | 5499 | 46.86 |
| | | | 9160 | |

*Maple frequently uses 5410 and 9160 Kc/s. to reach District Office stations; answers aircraft on their own frequency.

DIVISION OF OPERATIONS

When reorganization of the Department was decided upon in May, 1941, the plan included two Service Divisions, one of which (Accounts Branch) already existed, and the other, a new Division, to service the others by taking responsibility for enlistment of staff, purchase of supplies and equipment, allocation of space, promotions, distribution and pay of personnel and the operation of the central basic records system and messenger service. Placing these matters under one cover relieved the other Divisions and left them free to concentrate on primary responsibilities.

The Chief of the new Division, Mr. P. O. Rhynas, was transferred from the Department of Labour. The Division was set up in two main sections, Personnel and Office Management, and Information and Education.

On December 1st, 1957, the Minister announced the appointment of two Assistant Deputy Ministers, J. S. Yoerger and G. H. U. Bayly, and that certain Head Office Divisions would be consolidated. Thus, the Division of Operation and Personnel became the Division of Operations with Personnel becoming a section of the Department responsible to one Assistant Deputy Minister.

The welfare, training, promotion, distribution and maintenance of a staff as large and widely spread as that of the Department of Lands and Forests is a work of vital importance. To supply such a body with the essentials places the work in the field of big business. The Division contains four Sections:

OFFICE MANAGEMENT, responsible for procurement, purchasing, renting, maintenance of records, Department uniforms and many special assignments;

CENTRAL SUPPLY WAREHOUSE (established April 1st, 1958), responsible for storage and supply of equipment and a large volume of printing and distribution of printed matter;

CONSERVATION INFORMATION, responsible for Department publications (including SYLVA) and literature, press releases, various public appeals, and the supply of photographs and colour slides;

CONSERVATION EDUCATION, responsible for making and supply of motion films, lectures, radio and television broadcasts, and Department displays at Exhibitions.

LECTURE TOURS

Number of Meetings and Attendance

| YEAR | SCHOOL | PUBLIC | DEPARTMENT TOTAL | Ontario Forestry Association |
|-----------|----------------------|--------------|---------------------|------------------------------------|
| 1944..... | One Lecturer Started | | | |
| 1945..... | 65,886 | ..... | ..... | ..... |
| 1946..... | 423 | 198 | ..... | ..... |
| | | (48 | ..... | ..... |
| | | 7,389 Camps) | ..... | ..... |
| 1947..... | 405 | 377 | 782 | ..... |
| 1948..... | 780 | 752 | 1,532 | ..... |
| 1949..... | 876 | 655 | 1,531 | ..... |
| 1950..... | 827 | 629 | 1,456 | ..... |
| 1951..... | 675 | 913 | 1,588 | ..... |
| 1952..... | 702 | 1,246 | 1,948 | ..... |
| 1953..... | 721 | 1,223 | 1,944 | ..... |
| 1954..... | 1,196 | 1,546 | 2,742 | ..... |
| 1955..... | 1,143 | 1,526 | 2,669 | ..... |
| 1956..... | 1,076 | 1,402 | 2,478 | ..... |
| 1957..... | 1,261 | 1,710 | 2,971 | ..... |
| 1958..... | 972 | 1,708 | 2,680 | ..... |
| 1959..... | 831 | 2,196 | 3,027 | ..... |
| | | 124,743 | 192,849 | 40,430 |

INFORMATION AND EDUCATION SERVICES (In Years Ending 31st March)

| Year | Motion Films (titles) | 35 mm. Colour Slides | Photo Prints Loaned to Publishers | Exhibi- tions | Letters of Enquiry Answered* | ADVERTISEMENTS Adminis- tration | Conser- vation | PUBLICATIONS No. of Titles | Distri- bution |
|-----------|-----------------------------|----------------------------|---|------------------|------------------------------------|---------------------------------------|-------------------|----------------------------------|-------------------|
| 1942..... | ... | .... | .... | .. | .... | ... | .. | 16 | .... |
| 1943..... | ... | .... | .... | .. | .... | ... | .. | 27 | .... |
| 1944..... | ... | .... | .... | .. | .... | ... | 35 | 26 | .... |
| 1945..... | ... | .... | .... | .. | .... | ... | 17 | 30 | .... |
| 1946..... | 24 | .... | .... | .. | .... | 77 | 26 | 29 | .... |
| 1947..... | 25 | .... | .... | 8 | 4,200 | 508 | 65 | 53 | .... |
| 1948..... | 26 | .... | .... | 13 | 6,900 | ... | .. | 53 | .... |
| 1949..... | 28 | .... | .... | 15 | 7,700 | 130 | 57 | 72 | .... |
| 1950..... | 28 | .... | 1,800 | 38 | 8,065 | 60 | 44 | 72 | .... |
| 1951..... | 38 | .... | 1,800 | 64 | 7,200 | 127 | 43 | 72 | .... |
| 1952..... | 56 | .... | 1,800 | 64 | 8,100 | 57 | 39 | 56 | .... |
| 1953..... | 73 | 750 | 2,100 | 68 | 9,000 | 74 | 27 | 55 | .... |
| 1954..... | 89 | 750 | 1,800 | 75 | 9,000 | 57 | 36 | 72 | .... |
| 1955..... | 119 | 750 | 3,500 | 75 | 7,000 | 103 | 45 | 87 | .... |
| 1956..... | 159 | 1,000 | 4,500 | 75 | 8,400 | 99 | 55 | 84 | .... |
| 1957..... | 178 | 1,500 | 6,000 | 75 | 10,800 | 112 | 53 | 92 | .... |
| 1958..... | 208 | 1,500 | 9,000 | 75 | 14,600 | 93 | 52 | 109 | .... |
| 1959..... | 226 | 1,800 | 9,200 | 75 | 21,010 | 139 | 54 | 116 | .... |

*Information supplied to general public, in addition to many enquiries in person and by telephone.

PURCHASING AND SUPPLY (In years ended March 31st)

| Year | Requisitions* | Direct Purchase Orders* | Supplies Shipped Out*** Tons | Parcels | Licences*** | Circulars, Cards and Pamphlets** |
|-----------|---------------|-------------------------|---------------------------------|---------|-------------|-------------------------------------|
| 1949..... | ..... | .... | 150 | 10,000 | 701,410 | 170,000 |
| 1950..... | ..... | .... | 160 | 12,000 | 774,470 | ..... |
| 1951..... | ..... | .... | 170 | 12,500 | 802,900 | 104,300 |
| 1952..... | ..... | .... | 175 | 13,500 | 868,300 | 105,000 |
| 1953..... | ..... | .... | 176 | 14,000 | 910,480 | 105,000 |
| 1954..... | 13,500 | 7,658 | 200 | 19,000 | 1,005,000 | 135,000 |
| 1955..... | 12,500 | 5,633 | 470 | 7,180 | 1,055,299 | 148,700 |
| 1956..... | 7,079 | 5,224 | ... | ..... | 1,120,654 | ..... |
| 1957..... | 6,530 | 3,938 | 488 | 8,450 | 1,154,000 | ..... |
| 1958..... | 6,233 | 3,983 | 350 | 17,040 | 1,212,920 | 500,000 |
| 1959..... | ..... | .... | 218 | 19,136 | 1,279,067 | 1,871,219 |

*Handled by Office Management Section. **Duplicated and distributed by Central Supply Warehouse.

***Shipped from Central Supply Warehouse (in addition to internal supply to Head Office).

DIVISION OF PARKS

The Division of Parks was established on October 1st, 1954, with W. B. Greenwood as Chief. Since that date, the rapid growth and development of Provincial Parks has been followed by very large increases in public use of parks.

Algonquin, the first Provincial Park, was established in 1893 by the Algonquin National Park Act, 56 Victoria, Chap. 8. Rondeau was established by the Rondeau Provincial Park Act, 57 Victoria, Chap. 15. Presqu'île was established by the Presqu'île Park Act, 12 Geo. V., Chap. 39. Long Point was established by the Long Point Park Act, 2 Geo. V., Chap. 35.

Quetico, Ipperwash, Sibley and Lake Superior were established by Order-in-Council.

Since the Provincial Parks Act was proclaimed on December 1st, 1954, all new Provincial Parks have been established by regulations made under the Act and its revisions, and published in The Ontario Gazette on the following dates:

| | |
|------------------------|--------------------|
| O. Reg. 148/55 | August 6th, 1955 |
| O. Reg. 144/57 | July 6th, 1957 |
| O. Reg. 229/57 | October 26th, 1957 |
| O. Reg. 280/57 | January 4th, 1958 |
| O. Reg. 42/58 | March 8th, 1958 |
| O. Reg. 251/58 | October 11th, 1958 |
| O. Reg. 254/58 | October 18th, 1958 |
| O. Reg. 70/59 | May 2nd, 1959 |
| O. Reg. 88/59 | May 23rd, 1959 |
| O. Reg. 195/59 | August 31st, 1959 |
| O. Reg. 253/59 | October 30th, 1959 |

Orders-in-Council 2053-57 and 4365-57 authorized the transfer of 30 parks from Department of Highways to Department of Lands and Forests in 1957.

Section 1 (a) of the Provincial Parks Act, 1954, reads as follows: "'provincial park' includes provincial camp grounds, provincial picnic grounds and provincial camp and picnic grounds".

The many park improvements include picnic tables and fireplace grills fabricated in the various Reform Institutions throughout the Province. Senior high school and university students are employed as seasonal staff.

In every park, developments are required to follow a master plan. Park Naturalist Programmes of Interpretation are being extended.

PUBLIC USE OF PROVINCIAL PARKS

| Year | No. of Parks | No. of Vehicles | No. of Campers | No. of Visitors |
|-----------|-----------------|--------------------|-------------------|--------------------|
| 1956..... | 21 | ..... | 86,641 | ..... |
| 1957..... | 39 | 629,666 | 162,705 | 2,114,661 |
| 1958..... | 45 | 927,871 | 276,128 | 3,232,460 |
| 1959..... | 71 | 1,420,180 | 479,069 | 5,127,199 |

ATTENDANCE AT INTERPRETATIVE PROGRAMMES

| Year | No. of Parks | Museums* | Nature Trails* | Hikes** | Lectures | Child Camps |
|----------|-----------------|----------|-------------------|---------|----------|----------------|
| 1950.... | 1 | ..... | 6,173 | .... | 1,593 | .... |
| 1951.... | 1 | ..... | 5,390 | .... | 2,675 | .... |
| 1952.... | 2 | 200 | 14,341 | .... | 3,769 | .... |
| 1953.... | 2 | 53,844 | 12,761 | .... | 7,263 | .... |
| 1954.... | 3 | 72,839 | 18,920 | .... | 11,078 | .... |
| 1955.... | 3 | 75,711 | 25,388 | 1,943 | 6,595 | 1,448 |
| 1956.... | 5 | 91,246 | 23,125 | 2,046 | 9,001 | 1,815 |
| 1957.... | 6 | 119,200 | 26,908 | 2,824 | 10,760 | 1,949 |
| 1958.... | 6 | 146,284 | 40,929 | 2,975 | 13,955 | 2,790 |
| 1959.... | 8 | 217,672 | 38,771 | 5,479 | 22,820 | 2,168 |

1959

| | | | | | |
|-----------------|---------|--------|-------|--------|-------|
| Algonquin..... | 140,489 | 35,790 | 2,501 | 16,080 | 1,223 |
| Nancy Island.. | 9,173 | ..... | ..... | ..... | ..... |
| Presqu'ile..... | 8,212 | 2,197 | 427 | 1,233 | 85 |
| Quetico..... | 5,104 | 439 | 112 | 592 | ..... |
| Rondeau..... | 28,202 | ..... | 2,062 | 3,981 | ..... |
| Serpent Mounds | 5,454 | ..... | ..... | ..... | ..... |
| Sibbald Point.. | 12,123 | ..... | ..... | ..... | ..... |
| Sibley..... | 8,915 | 345 | 377 | 934 | 860 |

*Registered attendance only.

**Conducted hikes.

83 PROVINCIAL PARKS (42 established and 41 pending establishment, Oct. 31st, 1959)

| Name of Park | Date Established | Authority under which Established | Area* | Camping Units | Campers in 1959 | Visitors in 1959 |
|--|---------------------|--------------------------------------|------------|------------------|--------------------|---------------------|
| CHAPLEAU Five Mile Lake..... | 29 Sept. 1958 | O. Reg. 251/58 | 1,009.80 a | ... | dev | ..... |
| COCHRANE Greenwater..... | 25 June 1957 | O. Reg. 144/57 | 16.5 m | ... | dev | ..... |
| Kettle Lakes..... | 25 June 1957 | O. Reg. 144/57 | 3.6 m | 70 | 2,958 | 63,210 |
| FORT FRANCES Lake of the Woods..... | ..... | ..... | ..... | ... | dev | ..... |
| One Sided Lake..... | ..... | ..... | ..... | 39 | 4,489 | 14,051 |
| Quetico..... | 1 April 1909 | Order-in-Council | 1,795 m | 25 | 3,265 | 46,493 |
| GERALDTON Klotz Lake..... | ..... | ..... | ..... | 25 | 3,227 | ..... |
| Lake Nipigon..... | ..... | ..... | ..... | ... | dev | ..... |
| MacLeod PCPG..... | ..... | ..... | ..... | 44 | 2,264 | 25,549 |
| Rosspoint, PCPG..... | ..... | ..... | ..... | ... | (x) | ..... |
| Whitesand Lake..... | ..... | ..... | ..... | 10 | 652 | ..... |
| GOGAMA Ivanhoe Lake..... | 25 June 1957 | O. Reg. 144/57 | 2 m | ... | dev | ..... |
| KAPUSKASING Nagagamisis..... | 25 June 1957 | O. Reg. 144/57 | 5.9 m | ... | dev | ..... |
| Remi Lake PCPG..... | 25 June 1957 | O. Reg. 144/57 | 154 a | 23 | 2,280 | 33,243 |
| KEMPTVILLE Fitzroy Harbour..... | ..... | ..... | ..... | ... | und | ..... |
| Murphys Point..... | ..... | ..... | ..... | ... | und | ..... |
| Rideau River PCPG..... | ..... | ..... | ..... | 105 | 7,811 | 80,877 |
| Silver Lake PCPG..... | 29 Sept. 1958 | O. Reg. 251/58 | 78.21 a | 102 | 10,355 | 66,644 |
| South Nation PCPG..... | ..... | ..... | ..... | 24 | 4,956 | 61,444 |

KENORA

| | | | | | | |
|-------------------------|---------------|----------------|----------|----|--------|--------|
| Aaron..... | 29 Sept. 1958 | O. Reg. 251/58 | 124.27 a | 25 | 2,555 | 12,620 |
| Blue Lake..... | ..... | ..... | ..... | 36 | 3,368 | 17,464 |
| Rushing River..... | 29 Sept. 1958 | O. Reg. 251/58 | 96.31 a | 54 | 11,190 | 47,433 |
| Sioux Narrows PCPG..... | 25 June 1957 | O. Reg. 144/57 | 284 a | 20 | 4,261 | 18,369 |

LAKE ERIE

| | | | | | | |
|-----------------------|------------------------|------------------|----------|-------|--------|---------|
| Clay Creek PCPG..... | 29 Sept. 1958 | O. Reg. 251/58 | 23.43 a | 12 | 330 | ..... |
| Holiday Beach..... | 6 Oct. 1958 | O. Reg. 254/58 | 205.34 a | ..... | ..... | 94,697 |
| Ipierwash..... | 24 June 1938 | Order-in-Council | 109 a | 250 | 25,794 | 232,449 |
| John E. Pearce..... | 25 June 1957 | O. Reg. 144/57 | 28.88 a | ..... | day | ..... |
| Long Point..... | 3 May 1921 | (See Above) | 126 a | 80 | 17,168 | 93,046 |
| Pinery..... | 11 Oct. 1957 | O. Reg. 229/57 | 4,066 a | 153 | 22,109 | 248,220 |
| Rock Point..... | 25 June 1957 | O. Reg. 144/57 | 42.41 a | ..... | und | ..... |
| Rondeau..... | (5 May 1894—See Above) | ..... | 8.6 m | 325 | 20,320 | 673,439 |
| St. Williams PPG..... | ..... | ..... | ..... | ..... | day | ..... |
| Turkey Point..... | 21 April 1959 | O. Reg. 70/59 | 778 a | ..... | und | ..... |

LAKE HURON

| | | | | | | |
|----------------------|-------|-------|-------|-----|--------|---------|
| Craigleith PCPG..... | ..... | ..... | ..... | 149 | 14,488 | 83,369 |
| Sauble Falls..... | ..... | ..... | ..... | 132 | 13,074 | 169,766 |
| Inverhuron..... | ..... | ..... | ..... | 102 | 11,424 | 106,718 |

LAKE SIMCOE

| | | | | | | |
|-----------------------|---------------|----------------|----------|-------|--------|---------|
| Bass Lake..... | 25 June 1957 | O. Reg. 144/57 | 85 a | 95 | 17,749 | 154,127 |
| Devils Glen PCPG..... | ..... | ..... | ..... | 20 | 2,971 | 47,722 |
| Earl Rowe..... | ..... | ..... | ..... | ..... | dev | ..... |
| Sibbald Point..... | 23 Dec. 1957 | O. Reg. 280/57 | 495 a | 325 | 35,378 | 316,011 |
| Six Mile Lake..... | 24 Feb. 1958 | O. Reg. 42/58 | 177 a | ..... | dev | ..... |
| Springwater PPG..... | 29 Sept. 1958 | O. Reg. 251/58 | 116.91 a | ..... | day | 131,984 |
| Wasaga Beach..... | 31 Aug. 1959 | O. Reg. 195/59 | 43,852 a | ..... | dev | ..... |

*a: acres. m: square miles. PPG: Provincial Picnic Grounds. PCPG: Provincial Camp and Picnic Grounds. day: day use; staffed periodically. dev: under development. und: undeveloped. (x): Included in Whitesand.

83 PROVINCIAL PARKS (42 established and 41 pending establishment, Oct. 31st, 1959)—Cont'd

| Name of Park | Date Established | Authority under which Established | Area* | Camping Units | Campers in 1959 | Visitors in 1959 |
|---------------------------|-------------------------|--------------------------------------|----------|------------------|--------------------|---------------------|
| LINDSAY | | | | | | |
| Darlington..... | 30 Oct. 1959 | O. Reg. 253/59 | 295.26 a | ... | day | ..... |
| Emily..... | 25 June 1957 | O. Reg. 144/57 | 59 a | 76 | 7,252 | 96,300 |
| Mark S. Burnham..... | 26 July 1955 | O. Reg. 148/55 | 100.88 a | ... | day | ..... |
| Presqu'ile..... | 18 May 1922 | (See Above) | 420 a | 400 | 29,385 | 332,196 |
| Serpent Mounds..... | 25 June 1957 | O. Reg. 144/57 | 70 a | 68 | 6,101 | 76,250 |
| NORTH BAY | | | | | | |
| Antoine PPG..... | ..... | ..... | ..... | 29 | 3,017 | 38,907 |
| Finlayson Point PCPG..... | ..... | ..... | ..... | 100 | 5,314 | 35,356 |
| Haddo..... | ..... | und. | ..... | ... | und | ..... |
| Marten River PCPG..... | ..... | ..... | ..... | 98 | 13,746 | 36,780 |
| Samuel de Champlain..... | ..... | und. | ..... | ... | und | ..... |
| PARRY SOUND | | | | | | |
| Eagle Lake..... | ..... | ..... | ..... | 40 | 3,970 | 11,814 |
| Grundy Lake..... | 21 April 1959 | O. Reg. 70/59 | 6,310 a | 158 | 9,700 | 92,569 |
| Killbear Point..... | ..... | ..... | ..... | ... | dev | ..... |
| Oastler Lake PCPG..... | ..... | ..... | ..... | 150 | 17,195 | 106,081 |
| Stormy Lake..... | ..... | und. | ..... | ... | und | ..... |
| Sturgeon Bay PCPG..... | ..... | ..... | ..... | 85 | 7,238 | 31,300 |
| PEMBROKE | | | | | | |
| Algonquin..... | (27 May 1893—See Above) | ..... | 2,766 m | 891 | 59,360 | 483,753 |
| Carson Lake PCPG..... | ..... | ..... | ..... | 45 | 5,477 | 5,477 |
| Driftwood PCPG..... | ..... | ..... | ..... | ... | 4,487 | 11,736 |

PORT ARTHUR

| | | | | | | | |
|---------------------|---------------|------------------|-------|-------|-----|-------|---------|
| Arrow Lake..... | 25 June 1957 | O. Reg. 144/57 | 100 | a | ... | und | ..... |
| Inwood PCPG..... | 29 Sept. 1958 | O. Reg. 251/58 | 81.69 | a | 47 | 2,061 | 6,274 |
| Kakabeka Falls..... | ..... | ..... | ..... | ..... | 23 | 4,230 | 120,333 |
| Middle Falls..... | ..... | ..... | ..... | ..... | 40 | 4,818 | 133,675 |
| Shuniah PCPG..... | ..... | ..... | ..... | ..... | 15 | 2,978 | 49,500 |
| Sibley..... | 13 Jan. 1944 | Order-in-Council | 63 | m | 60 | 3,717 | 67,695 |

SAULT STE. MARIE

| | | | | | | | |
|--------------------------|--------------|------------------|-------|-------|-----|-------|--------|
| Batchawana Bay PCPG..... | ..... | ..... | ..... | ..... | ... | dev | ..... |
| Lake Superior..... | 13 Jan. 1944 | Order-in-Council | 540 | m | ... | dev | ..... |
| Pancake Bay PCPG..... | ..... | ..... | ..... | ..... | 50 | 5,014 | 32,867 |

STOIX LOOKOUT

| | | | | | | | |
|-------------------|-------|-------|-------|-------|-----|-----|-------|
| Pakwash PCPG..... | | | | | ... | und | |
|-------------------|-------|-------|-------|-------|-----|-----|-------|

SUDBURY

| | | | | | | | |
|-----------------|--------------|----------------|--------|---|----|-------|--------|
| Fairbank..... | 25 June 1957 | O. Reg. 144/57 | 85 | a | 45 | 4,983 | 23,307 |
| Windy Lake..... | 4 April 1959 | O. Reg. 88/59 | 293.02 | a | 90 | 4,805 | 95,995 |

SWASTIKA

| | | | | | | | |
|-------------------|--------------|----------------|-----|---|----|-------|--------|
| Esker Lakes..... | 25 June 1957 | O. Reg. 144/57 | 12 | m | 42 | 1,772 | 12,739 |
| Kap-Kig-Iwan..... | 25 June 1957 | O. Reg. 144/57 | 603 | a | 18 | 2,050 | 27,497 |

TWEED

| | | | | | | | |
|-------------------------------|---------------|----------------|-------|-------|-----|-------|---------|
| Black Lake PCPG..... | 29 Sept. 1958 | O. Reg. 251/58 | 23.7 | a | 115 | 8,350 | 46,059 |
| Bon Echo..... | ..... | ..... | ..... | ..... | ... | und | ..... |
| Lake on the Mountain PPG..... | 25 June 1957 | O. Reg. 144/57 | 256 | a | ... | day | ..... |
| Lake St. Peter..... | ..... | ..... | ..... | ..... | 56 | 6,115 | 32,394 |
| Mazinaw Lake PCPG..... | ..... | ..... | ..... | ..... | 35 | 4,034 | 9,353 |
| Outlet Beach..... | ..... | ..... | ..... | ..... | 137 | 7,464 | 272,047 |
| Sandbanks PPG..... | ..... | ..... | ..... | ..... | ... | day | ..... |

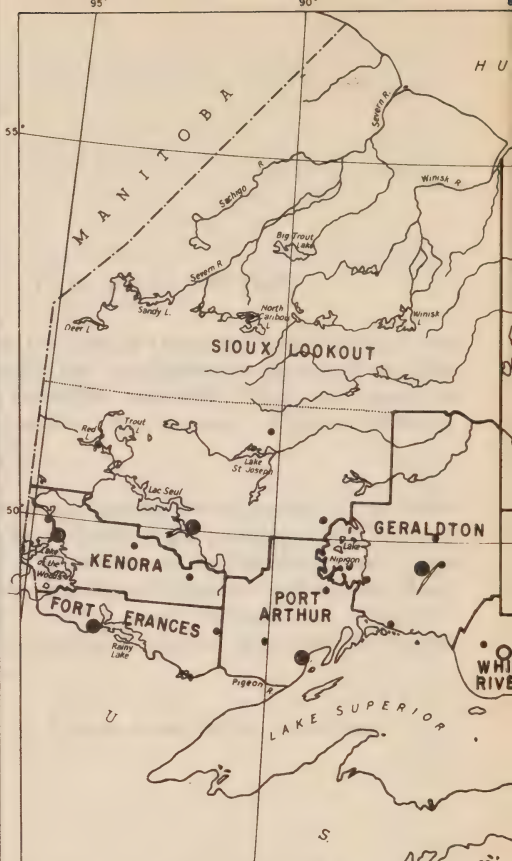
TOTAL..... 5,223 479,069 5,127,199

PERSONNEL SECTION

When the Division of Operation and Personnel was separated under the administrative structural changes effected on December 1st, 1957, Personnel became a Section responsible to Assistant Deputy Minister G. H. U. Bayly.

The staff of this Section is responsible for the interviewing and recruitment of job applicants, Job Analysis and Position Classification as well as Salary and Wage Administration, Employee Relations, Performance Standards, Staff Training and Development, Transfers, Promotions, Separation Discipline, Safety and Workmen's Compensation.

Mr. S. H. C. Parsons is the Section Supervisor.



MAP OF
THE PROVINCE OF ONTARIO
SHOWING
ADMINISTRATIVE
DISTRICTS

OF THE
ONTARIO, DEPARTMENT OF LANDS
AND FORESTS

LEGEND

DISTRICT HEADQUARTERS ○
CHIEF RANGER HEADQUARTERS ●

FORM O-200

5 AUGUST 1959



CLASSIFICATION OF PERSONNEL

As of October 31st, 1959

| GROUPS | HEAD OFFICE | FIELD | TOTAL |
|---------------------------------|----------------|--------------|--------------|
| Air Engineers..... | 38 | ... | 38 |
| Air Pilots..... | 33 | ... | 33 |
| Air Service Staff..... | 14 | ... | 14 |
| Biologists..... | 22 | 23 | 45 |
| Boat Captains..... | ... | 3 | 3 |
| Carpenters..... | 2 | 18 | 20 |
| Communication Technicians..... | 7 | 18 | 25 |
| Conservation Officers..... | 5 | 199 | 204 |
| Draughtsmen..... | 40 | 1 | 41 |
| Engineers..... | 9 | 0 | 9 |
| Foresters..... | 42 | 133 | 175 |
| Forest Rangers..... | 2 | 454 | 456 |
| Hatchery Staffs..... | 1 | 47 | 48 |
| Maintenance Staffs..... | 5 | 9 | 14 |
| Mechanics..... | 10 | 70 | 80 |
| Office Staffs..... | 260 | 146 | 406 |
| Photography Staff..... | 18 | ... | 18 |
| Printing Machine Operators..... | 6 | ... | 6 |
| Radio Operators..... | 3 | 16 | 19 |
| Reforestation Staffs..... | ... | 100 | 100 |
| Research Staff..... | 7 | 1 | 8 |
| Solicitors..... | 3 | ... | 3 |
| Stockkeepers..... | 10 | 9 | 19 |
| Surveyors..... | 6 | ... | 6 |
| Supervisory Staff..... | 29 | 6 | 35 |
| Truck Drivers..... | 1 | 25 | 26 |
| TOTAL..... | 573 | 1,278 | 1,851 |

FOREST RANGERS*

| | | | |
|--------------|-----|-----|-----|
| Class 5..... | ... | 35 | 35 |
| Class 4..... | ... | 94 | 94 |
| Class 3..... | 1 | 161 | 162 |
| Class 2..... | ... | 95 | 95 |
| Class 1..... | 1 | 69 | 70 |

CONSERVATION OFFICERS*

| | | | |
|--------------|-----|-----|-----|
| Class 5..... | 1 | 19 | 20 |
| Class 4..... | 1 | 5 | 6 |
| Class 3..... | 2 | 28 | 30 |
| Class 2..... | ... | 112 | 112 |
| Class 1..... | 1 | 35 | 36 |

*Classes 3, 4 and 5 at Supervisory level.

ADMINISTRATIVE DISTRICTS

DEPARTMENT OF LANDS AND FORESTS

Areas in Square Miles

| ADMINISTRATIVE DISTRICTS | FIRE PROTECTION | | | FISH AND WILDLIFE CONTROL ADMINISTRATIVE DISTRICTS | | |
|-----------------------------|-----------------|-------|--------|---|-------|--------|
| | Land | Water | Total | Land | Water | Total |
| Chapleau..... | 5,953 | 629 | 6,582 | 5,953 | 629 | 6,582 |
| Cochrane..... | 14,690 | 1,106 | 15,796 | 63,282 | 4,206 | 67,488 |
| Fort Frances..... | 5,218 | 1,348 | 6,566 | 5,820 | 1,379 | 7,199 |
| Geraldton..... | 18,734 | 2,605 | 21,339 | 18,734 | 6,986 | 25,630 |
| Gogama..... | 5,867 | 443 | 6,310 | 5,867 | 443 | 6,310 |
| Kapuskasing..... | 18,399 | 767 | 19,166 | 18,399 | 767 | 19,166 |
| Kemptville..... | ..... | ..... | ..... | 5,197 | 452 | 5,649 |
| Kenora..... | 9,321 | 3,030 | 12,351 | 9,321 | 3,030 | 12,351 |
| Lake Erie..... | ..... | ..... | ..... | 6,796 | 5,826 | 12,622 |
| Lake Huron..... | ..... | ..... | ..... | 8,781 | 6,977 | 15,758 |
| Lake Simcoe..... | 220 | 19 | 239 | 4,665 | 1,489 | 6,154 |
| Lindsay..... | 2,374 | 206 | 2,580 | 5,079 | 1,710 | 6,789 |
| North Bay..... | 4,969 | 616 | 5,585 | 4,969 | 616 | 5,585 |
| Parry Sound..... | 5,490 | 691 | 6,181 | 5,552 | 2,952 | 8,504 |
| Pembroke..... | 4,157 | 361 | 4,518 | 4,714 | 434 | 5,148 |
| Port Arthur..... | 13,869 | 4,681 | 18,550 | 13,869 | 4,681 | 18,550 |

| | | | | | | |
|--------------------|---------|--------|---------|---------|--------|----------|
| Sault Ste. Marie** | 7,861 | 3,294 | 11,155 | 8,004 | 3,353 | 11,357 |
| Sioux Lookout | 33,748 | 6,912 | 40,660 | 112,860 | 22,579 | 135,439 |
| Sudbury*** | 6,622 | 1,259 | 7,881 | 7,746 | 5,062 | 12,808 |
| Swastika | 5,122 | 283 | 5,405 | 5,122 | 283 | 5,405 |
| Tweed | 3,049 | 265 | 3,314 | 6,705 | 1,932 | 8,637 |
| White River | 6,400 | 521 | 6,921 | 6,400 | 3,051 | 9,451 |
| TOTAL AREA | 172,063 | 29,036 | 201,099 | 333,835 | 78,747 | *412,582 |

* Total area of the Province of Ontario includes part of Great Lakes.

** St. Joseph Island (143 square miles) is included in Sault Ste. Marie District for all purposes except Fire Protection.

*** Manitoulin, Cockburn, Fitzwilliam, Lonely, Great Duck, Western Duck and Barry Islands (1,124 square miles, excluding lakes) are included in Sudbury District for Fish and Wildlife Control only. The area of Sudbury District for Administrative purposes is 11,684 square miles, including waters of the North Channel and Lake Huron within the territorial district of Manitoulin Island.

Ontario's southern boundary has a shore line of 2,362 miles. The northern boundary has a shore line of 680 miles.

The highest point in Ontario is in the Lake Superior region where land is 2,120 feet above sea level.

DISTRICT — CHAPLEAU

OFFICE: Corner Lorne and Beach Streets.

Telephone 51

District Forester J. R. Keddie

Assistant District Forester

Supervisors

Accounts G. J. Murray

Fish and Wildlife V. Crichton

Forest Protection L. Ridsdill

Lands W. E. MacPhail

Reforestation D. E. Gage

Parks W. E. MacPhail

Timber D. E. Gage

Chief Rangers

Biscotasing W. P. O'Donnell

Chapleau L. T. Cecile

DISTRICT — COCHRANE

OFFICE: Court House. Telephone 142.

District Forester F. L. Hall

Assistant District Forester

Supervisors

Accounts A. Jackel

Fish and Wildlife S. Nodwell

Forest Protection O. Welsh

Lands G. Simmons

Parks J. Bell

Reforestation J. Bell

Timber P. Anslow

Chief Rangers

Low Bush R. Woodall

Cochrane S. Russell

Timmins C. R. Gray

DISTRICT — FORT FRANCES

OFFICE: 232 Scott Street. Telephone Browning 4-6251.

District Forester R. A. Balkwill
Assistant District Forester

Supervisors

Accounts A. Kingerski
Fish and Wildlife H. Pearson
Biologist C. Elsey
Forest Protection F. Miller
Surveys and Parks L. Rawn
Reforestation J. Mullen
Timber H. Henry

Chief Rangers

Fort Frances S. V. Ryan
Atikokan F. Dustak

DISTRICT — GERALDTON

OFFICE: 1821 Main Street (upper floor). Telephone 443.

District Forester G. E. MacKinnon
Assistant District Forester

Supervisors

Accounts R. J. Langford
Fish and Wildlife J. A. Macfie
Biologist J. Goddard (Acting)
Forest Protection R. V. Brady
Lands and Parks A. Grasser
Reforestation D. Skeates
Timber F. C. Robinson

Chief Rangers

Longlac H. N. Whalen
Nakina J. A. Murphy
Pays Plat A. J. McGoey
Geraldton J. F. Anderson
MacDiarmid H. R. Redding

DISTRICT — GOGAMA

OFFICE: Town of Gogama. Telephone 95.

District Forester A. E. Walroth
Assistant District Forester

Supervisors

Accounts J. Vance
Fish and Wildlife E. H. Stone
Forest Protection J. Canfield
Lands D. J. Shaw
Parks D. J. Shaw
Timber J. McKnight

Chief Rangers

Foleyet J. R. Languerand
Gogama P. Bellevance

DISTRICT — KAPUSKASING

OFFICE: Kapuskasing.
Telephone Edgewood 5-2231.

District Forester J. S. Ball
Assistant District Forester

Supervisors

Accounts J. Carswell
Fish and Wildlife O. Lewis
Forest Protection F. Dodds
Lands T. Murphy
Parks W. A. Perrin
Reforestation P. Hare
Timber R. A. Baxter

Chief Rangers

Kapuskasing J. H. Clavelle
Hearst J. Shalla
Oba B. Wilson

DISTRICT — KEMPTVILLE

OFFICE: Kemptville. Telephone 413.

District Forester W. A. G. Thurston
Assistant District Forester

Supervisors

Accounts F. S. Bumstead
Fish and Wildlife D. Sylvester
Biologist J. B. Dawson
Forest Protection E. A. Greene
Lands and Parks E. A. Greene
Timber H. R. Grinnell

Nursery

Kemptville H. H. Devries

DISTRICT — KENORA

OFFICE: 213-15 Main Street.

Telephone Homestead 8-9841.

District Forester F. E. Sider
Assistant District Forester W. Bastedo

Supervisor

Accounts G. McChesney
Fish and Wildlife P. Thompson
Biologist C. F. Schenk
Forest Protection B. T. Dunne
Lands J. Wynd
Parks H. V. Berg
Timber D. J. Vance

Chief Rangers

Kenora J. Mackay
Minaki J. L. Hamill
Ignace F. Nicoll
Dryden J. Anderson

DISTRICT — LAKE ERIE

OFFICE: Aylmer West. Telephone Aylmer 8.

District Forester J. K. Reynolds
Assistant District Forester J. D. Scott

Supervisors

Accounts G. B. Fewings
Fish and Wildlife E. L. Skuce
Biologist J. D. Roseborough
Forest Protection
Lands
Parks K. A. Cameron
Timber C. H. Zavitz

Nursery

St. Williams W. Bunting

Parks

Rondeau R. McLaren
Pinery and Severn C. C. Myers
Ipperwash J. Matheson

DISTRICT — LAKE HURON

OFFICE: R.R. No. 1, Hespeler,
Telephone Oliver 8-9356.

District Forester E. K. E. Dreyer
Assistant District Forester

Supervisors

Accounts H. MacKrow
Fish and Wildlife E. Meadows
Biologist R. E. Mason
Forest Protection
Lands
Parks R. W. Jordan
Reforestation W. Steele

DISTRICT — LAKE SIMCOE

OFFICE: Maple. Telephone Avenue 5-1171.

District Forester A. W. Leman
Assistant District Forester

Supervisors

Accounts F. Waghorne
Fish and Wildlife R. H. Trotter
Biologist
Forest Protection
Lands
Parks A. Selwood
Timber S. R. Hamilton

Nurseries

Angus W. E. Edwards
Midhurst J. Halpenny

Parks

Sibbald's Point D. R. Cutts

DISTRICT — LINDSAY

OFFICE: Kent Street West, Lindsay.
Telephone Fairview 4-3555.

District Forester D. R. Wilson
Assistant District Forester

Supervisors

Accounts G. F. Walter
Fish and Wildlife G. Buie
Biologist K. Irizawa
Forest Protection W. Kitt
Lands F. Flood
Parks P. R. Davidson
Timber E. F. Johnston

Chief Rangers

Minden P. J. Cassidy
Gooderham W. Sarginson

Parks

Presqu'ile P. J. Kennedy

Nursery

Orono G. M. Linton

DISTRICT — NORTH BAY

OFFICE: 263a Main Street North.
Telephone Grover 2-9360.

District Forester W. B. Clarke
Assistant District Forester D. M. Peacock

Supervisors

Accounts J. E. Rogers
Fish and Wildlife A. M. Hodgson
Biologist J. F. Gage
Forest Protection G. MacAdam
Lands W. Turnbull
Parks A. D. Tremblay
Timber R. Lockhart

Chief Rangers

Temagami P. Hoffman
North Bay L. L. Bronson

ONTARIO FOREST RANGER SCHOOL

Dorset. Telephone Roger 6-2242.

Director J. L. Mennill
Accounts T. Craine

Instructors

E. Goodman
W. A. Morris
G. Pennock
W. P. Small

DISTRICT — PARRY SOUND

OFFICE: 34 Sequin Street. Telephone Riverside 6-2141.

District Forester M. A. Adamson
Assistant District Forester J. E. Dickenson

Supervisors

Accounts R. E. Harrison
Fish and Wildlife N. McNaughton
Biologist C. W. Douglas
Forest Protection D. Burns
Lands T. H. E. Roswell
Parks E. Diamond
Reforestation W. K. Fullerton
Timber W. E. Dyer

Chief Rangers

Parry Sound R. E. Simpson
Powassan W. J. Barber

DISTRICT — PEMBROKE

OFFICE: 68 Pembroke Street. Telephone Regent 2-3661.

District Forester R. C. Passmore
Assistant District Forester D. A. Fawcett

Supervisors

Accounts G. Bragg
Fish and Wildlife H. E. Deedo
Biologist
Forest Protection J. J. Tait
Lands J. Orme
Parks J. E. Collard
Timber C. R. Groves

Chief Rangers

Pembroke R. N. Cousineau
Whitney H. Hanes

Parks

Algonquin

DISTRICT — PORT ARTHUR

OFFICE: Forestry Building, Algoma Street North.
Telephone 5-6543.

District Forester W. L. Sleeman
Assistant District Forester J. M. Fraser

Supervisors

Accounts J. Chadwick
Fish and Wildlife D. J. D'Agostini
Biologist J. C. Weir
Forest Protection M. Sauerbrei
Lands W. Jarvis
Parks C. B. Whitefield
Timber W. W. Wahl

Chief Rangers

Port Arthur W. Taylor
Black Sturgeon H. G. Reynolds
Shebandowan G. Murray

Nursery

Fort William E. M. Cressman

DISTRICT — SAULT STE. MARIE

OFFICE: Airdrome Building. Telephone Algoma 6-7461.

District Forester J. W. Lockwood
Assistant District Forester G. M. Longley

Supervisors

Accounts J. C. Kindness
Fish and Wildlife C. L. Perrie
Biologist P. A. Kwaterowsky
Forest Protection T. Woodside
Lands L. Smith
Parks G. McKinney
Timber A. Crealock

Chief Rangers

Blind River J. A. Huppe
Sault Ste. Marie C. Tregonning
Sand Lake E. Montgomery

DISTRICT — SIOUX LOOKOUT

OFFICE: 38 Front Street. Telephone 206.

District Forester W. G. Cleavely
Assistant District Forester J. E. Barnes

Supervisors

Accounts D. Munch
Fish and Wildlife C. E. Perrie
Forest Protection E. W. Bouchey
Lands S. N. Johnson
Parks
Reforestation V. W. Fisk
Timber J. K. Gaughan

Chief Rangers

Armstrong H. S. Anderson
Pickle Lake E. Guertin
Red Lake D. R. Williams
Sioux Lookout F. J. Atkinson

DISTRICT — SUDBURY

OFFICE: 7 Cedar. Telephone Osbourne 5-8394.

District Forester G. A. Hamilton
Assistant District Forester E. A. Lewis

Supervisors

Accounts G. Jennings
Fish and Wildlife C. Bibby
Biologist
Forest Protection G. Bulloch
Lands A. S. Blair
Parks
Reforestation A. W. Chalk
Timber J. F. Flowers

Chief Rangers

Skead V. Bragg
Esplanola E. Morin
Sudbury W. Wetow

DISTRICT — SWASTIKA

OFFICE: Swastika. Telephone Kirkland Lake 3090.

District Forester G. F. Coyne
Assistant District Forester

Supervisors

Accounts H. Michiel
Fish and Wildlife D. Waldriff
Biologist N. Patrick
Forest Protection G. Barna
Lands J. McDougall
Parks H. Mattson
Reforestation D. A. Scott
Timber Management F. Janser

Chief Rangers

Elk Lake W. A. Adair
Matheson V. L. Wilson
Swastika H. Stuart

Nursery

Superintendent A. H. Peacock

DISTRICT — TWEED

OFFICE: Tweed. Telephone 361.

District Forester J. M. Taylor
Assistant District Forester J. D. Hughes

Supervisors

Accounts W. H. Porch
Fish and Wildlife H. S. Dornan
Biologist R. E. Whitfield
Forest Protection McKinley Wilson
Lands A. E. Beach
Parks W. H. Cantelon
Timber J. Keenan

Chief Rangers

Dacre M. D. Mulvihill
Bancroft O. Goodman
Tweed L. Fleguele

DISTRICT — WHITE RIVER

OFFICE: White River. Telephone 186.

District Forester A. L. Dunne
Assistant District Forester

Supervisors

Accounts P. Yade
Fish and Wildlife
Forest Protection B. B. Benson
Lands and Parks J. Small
Reforestation J. D. Griffiths
Timber L. H. Eckel

Chief Rangers

Jamestown C. Macdonald
Franz
Moberg V. E. Niemi

PERSONNEL REPORT TO YEAR ENDING 31st MARCH

| EMPLOYMENT STATUS* | | | | | UNIVERSITY DEGREES OR TITLES | | | | | WORKMEN'S COMPENSATION | | | |
|--------------------|-------------|-----|-------|--------|------------------------------|----------------------------|----------------|-----------------|-----------------|------------------------|-------|------------|--------------|
| YEAR | Cont. Temp. | | Total | Casual | Licensed Scalers | Ranger School Grads. | Forest- ers | Biolo- gists | Civil Engrs. | Misc. | Total | No. Claims | Cost |
| | Perm. | | | | | | | | | | | | |
| 1944..... | 310 | 268 | 578 | 397 | ... | ... | ... | .. | ..... | .. | ... | 98 | \$ 12,850.33 |
| 1945..... | 324 | 305 | 629 | 929 | ... | ... | ... | .. | .. | .. | ... | 120 | 14,540.02 |
| 1946..... | 373 | 318 | 691 | 573 | ... | ... | ... | .. | .. | .. | ... | 129 | 14,248.76 |
| 1947..... | 523 | 562 | 1,085 | 527 | ... | ... | ... | .. | .. | .. | ... | 182 | 21,560.24 |
| 1948..... | ..... | ... | ..... | ..... | ... | ... | ... | .. | .. | .. | ... | 328 | 27,189.07 |
| 1949..... | 1,167 | 196 | 1,363 | 562 | ... | ... | ... | .. | .. | .. | ... | 494 | 35,989.21 |
| 1950..... | 1,352 | 157 | 1,509 | 580 | ... | ... | ... | .. | .. | .. | ... | 501 | 50,989.11 |
| 1951..... | 1,420 | 141 | 1,561 | 617 | 343 | 237 | 147 | 25 | 3 | 12 | 187 | 394 | 43,950.68 |
| 1952..... | 1,441 | 181 | 1,622 | 790 | 356 | 257 | 158 | 26 | 5 | 16 | 205 | 368 | 54,157.82 |
| 1953..... | 1,518 | 158 | 1,676 | 680 | 381 | 293 | 166 | 33 | 5 | 16 | 220 | 417 | 51,168.82 |
| 1954..... | 1,546 | 175 | 1,721 | 633 | 391 | 331 | 172 | 36 | 6 | 23 | 237 | 494 | 64,693.23 |
| 1955..... | 1,618 | 142 | 1,760 | 727 | 392 | 379 | 174 | 39 | 5 | 26 | 244 | 455 | 63,356.59 |
| 1956..... | 1,611 | 180 | 1,791 | 655 | 404 | 425 | 139 | 34 | 6 | 27 | 206 | 910 | 106,962.46 |
| 1957..... | 1,583 | 175 | 1,758 | 929 | 429 | 461 | 182 | 34 | 6 | 27 | 249 | 588 | 85,158.76 |
| 1958..... | 1,685 | 134 | 1,819 | 3,209 | 459 | 504 | 181 | 40 | 6 | 24 | 251 | 727 | 101,376.46 |
| 1959..... | 1,759 | 113 | 1,872 | 2,750 | 495 | 533 | 193 | 41 | 10 | 22 | 266 | 874 | 132,572.01 |

NOTE: Medical and Hospital fees have increased greatly in recent years.

*Extra fire fighters not included.

DISTRIBUTION OF JUNIOR RANGERS (SUMMER MONTHS ONLY)

| DISTRICT | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 |
|---------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Chapleau..... | ... | ... | ... | ... | ... | ... | 14 | 15 | 23 | 26 | 40 | 46 | 39 | 38 | 35 | 37 |
| Cochrane..... | ... | ... | ... | ... | 12 | 25 | 25 | 21 | 26 | 36 | 39 | 45 | 39 | 35 | 24 | 24 |
| Fort Frances..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 14 | 16 | 14 | 14 | 23 |
| Geraldton..... | ... | ... | ... | ... | ... | ... | 10 | 10 | 10 | 15 | 35 | 24 | 27 | 48 | 59 | 64 |
| Gogama..... | ... | ... | ... | ... | ... | 10 | 15 | 12 | 21 | 25 | 34 | 43 | 27 | 38 | 36 | 39 |
| Kapuskasing..... | ... | ... | ... | ... | 8 | 10 | 14 | 12 | 12 | 21 | 32 | 43 | 33 | 28 | 34 | 40 |
| Kemptville..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Kenora..... | ... | ... | ... | ... | ... | ... | 11 | ... | ... | ... | 10 | ... | 10 | 11 | 25 | 26 |
| Lake Erie..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Lake Huron..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Lake Simcoe..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Lindsay..... | ... | ... | ... | ... | ... | 12 | 15 | 14 | 14 | 25 | 29 | 46 | ... | ... | ... | ... |
| North Bay..... | 10 | 13 | 12 | 18 | 21 | 26 | 27 | 21 | 22 | 30 | 38 | 38 | 38 | 48 | 35 | 38 |
| Parry Sound..... | 11 | 10 | 10 | 12 | 25 | 19 | 18 | 12 | 12 | 15 | 20 | 25 | 46 | 35 | 36 | 37 |
| Pembroke..... | ... | ... | 12 | 29 | 20 | 40 | 42 | 32 | 32 | 35 | 42 | 51 | 48 | 42 | 34 | 34 |
| Port Arthur..... | ... | ... | ... | ... | ... | ... | ... | ... | 13 | 15 | 11 | 8 | 24 | 13 | 36 | 39 |
| Sault Ste. Marie... | ... | 10 | 10 | 11 | 13 | 22 | 20 | 20 | 31 | 37 | 60 | 53 | 75 | 73 | 64 | 63 |
| Sioux Lookout..... | ... | ... | ... | ... | ... | ... | ... | 9 | 12 | 21 | 19 | ... | 11 | 13 | 13 | 15 |
| Sudbury..... | ... | 7 | 15 | 13 | 20 | 26 | 16 | 14 | 14 | 23 | 24 | 42 | 76 | 51 | 46 | 39 |
| Swastika..... | ... | ... | ... | ... | 8 | 28 | 32 | 24 | 24 | 27 | 31 | 11 | 43 | 24 | 24 | 26 |
| Tweed..... | ... | ... | ... | 9 | 21 | 19 | 18 | 15 | 24 | 29 | 32 | 26 | ... | ... | ... | ... |
| White River..... | ... | ... | ... | ... | ... | ... | 12 | 11 | 22 | 23 | 28 | 42 | 62 | 39 | 49 | 49 |
| TOTAL..... | 21 | 40 | 59 | 92 | 148 | 237 | 289 | 242 | 312 | 403 | 524 | 547 | 614 | 550 | 564 | 593 |

DIVISION OF RESEARCH

Created in 1941 as part of the Departmental reorganization, this Division was committed to J. A. Brodie, B.Sc.F.

Mr. Brodie was succeeded by R. N. Johnston, B.Sc.F., on completion of certain other scientific activities in connection with the war program.

Forestry research is conducted at Port Arthur, Cochrane, Dorset, Maple and Tweed; fisheries research at South Baymouth, Maple and Glenora; and wildlife research at Algonquin Park. Part-year fisheries work is done at Lake Opeongo and Wheatley.

During the past fiscal year, fifteen reports were published. Highlights of the year's work included the following:

Regional site research now offers considerable knowledge useful to forest management and land-use planning.

Tree breeding work was continued on poplar hybrids, Nova Scotia red pine, white cedar, dwarf chestnut and white pine. In the last, inoculations against blister rust were very successful.

In white spruce regeneration studies, the seed tree system, combined with pre-cutting, mechanical scarification, showed very encouraging results.

The planting of tubelings had good results.

The ability of arboricides to control underbrush was tested in numerous operations.

At South Bay, studies showed that meteorological data has become a new and useful tool for fisheries workers.

In Lake Erie, where explosives are used in seismic exploration for natural gas, tests readily distinguished the type of explosive least harmful to fish.

In a survey of parasites and diseases, autopsies were performed on over 150 wild animals.

An unusually severe winter on deer predicted lower hunter success in 1959.

A dusting machine which can be operated in thick bush terrain was developed by the Mechanical Research Section. Numerous other pieces of equipment were produced.

In April, 1958, the work of the physics section was greatly aided by the loan from the Royal Canadian Navy of "Porte Dauphine", a ship ideally suited for research work on the Great Lakes. Before lay-up due to lack of funds, the ship cruised 6,000 miles on Lake Ontario.

DIVISION OF SURVEYS

SURVEYOR-GENERALS OR DIRECTORS OF SURVEYS

| | | |
|----------------------------|-----------|--------------------------------------|
| Samuel Holland | | |
| Northern District of | | |
| North America | 1764-1801 | Surveyor-General |
| Sir D. W. Smith | 1801-1805 | Surveyor-General |
| C. B. Wyatt | 1806- | Surveyor-General |
| Thomas Ridout | 1807-1829 | Surveyor-General |
| Hon. S. P. Hurd | 1832-1835 | Surveyor-General |
| J. Macaulay | 1836-1838 | Surveyor-General |
| Hon. R. B. Sullivan . . . | 1838-1840 | Surveyor-General |
| Thos. Parke | 1841-1845 | Surveyor-General |
| *G. B. Kirkpatrick | 1880-1917 | Director of Surveys |
| *L. V. Rorke | 1918-1928 | Director of Surveys |
| †L. V. Rorke | 1928-1936 | Deputy Minister/ Surveyor-General |
| ‡C. H. Fullerton | 1936-1946 | Surveyor-General |
| F. W. Beatty | 1946- | Surveyor-General |

* Office of Surveyor-General abolished 17th March, 1845, by Provincial Statute 8 Vic., Chap. XI, Sec. 1, which consolidated the Department and office under the Commissioner of Crown Lands.

† Office of Surveyor-General re-established by Provincial Statute 18 Geo. V., Chap. 9, 1928, as Deputy Minister to be known as Surveyor-General, under Public Lands Act.

‡ Act of 1928 amended in 1942 by Statute Law Amendment Act and office of Surveyor-General re-established, under Public Lands Act.

Township boundaries were surveyed in the vicinity of Kingston in 1784, under instructions from Samuel Holland, the Surveyor-General of Northern District of North America.

By Order in Council dated the 18th of November, 1791, the Province of Quebec was divided into two Provinces, to be called the Province of Upper and Lower Canada. Upper Canada was to include all the territory to the westward and southward of the line described, which is the present eastern boundary of Ontario, to the utmost extent of the country commonly called or known by the name of Canada.

Various systems of surveying the townships into lots or sections for disposition of Crown land have been adopted. The periods during which these systems were used and the types of systems are as follows:

- 1783-1818—single front
- 1787-1813—front and rear
- 1818-1829—double front
- 1829-1851—2,400-acre block
- 1835-1906—1,000-acre block
- 1859 —Townships 6 miles square—no road allowances—Townships divided into 36 sections.
- 1872 —Townships 6 miles square—no road allowances—6 concessions and 12 lots.
- 1876 —Township—similar manner to Dominion Land Survey system—36 sections with $1\frac{1}{2}$ chain road allowances around each section.
- 1906 —1,800-acre blocks.

The eastern boundary of Ontario was surveyed from Lake Timiskaming north to mile 42 in 1874; to mile 88 in 1905; to mile 140 in 1906; to mile 208 in 1907 and to James Bay in 1931.

The western boundary was surveyed from the Lake of the Woods to the Winnipeg River—1897-98; to the 12th Base Line, D.L.S. System, 1921-22; to the most easterly point of Island Lake—1929-30; to the Echoing River in 1937 and to Hudson Bay, 1947-48. Erection of permanent monuments, chaining, etc., from Island Lake to Hudson Bay was carried out in 1950.

The general prosperity and employment is reflected in the requests for Crown lands for summer resort camp sites. Approximately 400 such resorts were surveyed in 1946 and 2,660 in 1958. This work has necessitated the retracement

surveys, where the original surveys had become obliterated, particularly in the Muskoka, Parry Sound and Haliburton areas.

In 1922 the Department commenced sketching and mapping types of forested areas from oblique aerial photographs. Since 1926 vertical photographs have been used and in 1954 an aircraft of the Otter type was purchased for aerial photography. Aerial photographs had been taken by members of our staff of an area of approximately 248,323 square miles up to March 31st, 1958.

The Beds of Navigable Waters Act was passed in 1911 and The Water Powers Regulations Act in 1916 and, by virtue of these Acts, leases have been granted for development of power plants with a total installed capacity of 2,561,000 horse-power. The installed capacity of plants not under lease from the Province is estimated to be 2,900,000 horse-power. This includes the plants at Niagara.

Under the provisions of The Lakes and Rivers Improvement Act, plans of all dams constructed on rivers and streams must be submitted to the Department of Lands and Forests for approval before being constructed. The Department regulates the discharge of water from lakes where dams have been rebuilt by the Department of Public Works for conservation, the propagation of fish and wildlife and forest protection.

1941 Division of Surveys formed.

1944 Division becomes Surveys and Engineering.

1957 Division augmented by Division of Lands with two branches: Surveys and Lands.

LANDS BRANCH

The fact that the Department of Crown Lands came into being in 1827 has its own significance. In the then growing Province land was the big item. They burned timber to get at it, the prime need being cultivation and there was a limited market for lumber.

Before that, however, Upper Canada became a Province with its own legislature. The Hon. John Graves Simcoe's proclamations and the tiny legislature's enactments made the first administrative efforts.

The influx of U. E. Loyalists, the manipulations of Colonization land companies and the impact of immigration brought their problems.

Clergy Reserves, the cause of discontent, the war of 1812, and the rebellion of 1837, were tribulations of the land administrators.

The Lands Branch of the Provincial Administration actually came into being, however, in 1827 under the Hon. Peter Robinson. Some of its problems are recited in the first printed annual report in 1857.

The annual report for 1867 states, "Previous to Confederation separate accounts were not kept of the Woods and Forests revenue". Lands had been the thing. The basic titles of all privately owned land in Ontario are in its records.

It became a Division (formerly known as Lands Branch) in 1941. On December 1st, 1957, it became a Lands Branch again in consolidation with the Surveys Division.

RE. PINE TREE RESERVATIONS IN FREE GRANT PATENTS

Commencing immediately subsequent to Confederation, the Act of 1868, being 31 Victoria, Chap. 8, reserved pine trees on land located as free grants, but passed the pine trees to the grantee with the land when patent issued.

The above provision obtained until 1880 when by 43 Victoria, Chap. 4, pine trees were reserved in locations subject to certain restricted cutting permitted by locatees, but when patent issued, all the pine trees were reserved to

the Crown. This applied to all patents issuing subsequent to March 5th, 1880, and the reservation of pine trees continued through to 1937 except that in 1913, there was an amendment to The Public Lands Act which provided that where land was not in timber licence and the locatee was in residence with improvements, he could request that pine trees be included in the patent, or in the event that patent had previously issued he could request a pine patent.

The Free Grants and Homesteads Act of 1908, provided for the opening of land with the approval of the Lieutenant-Governor in Council, which had not previously been opened and which had not for any reason been withdrawn from settlement and upon such land being opened all patents of land therein included the pine trees if the land was not under timber licence.

NOTE: The Rainy River Homesteads Act, being Chap. 30 of the Statutes of 1897, reserved by sections 12 and 13 all the pine trees in the location, but all pine trees remaining on the land at the date of patent passed with the patent. This provision was carried through into the Consolidation of Acts relating to public lands and is incorporated in The Public Lands Act of 1913.

NOTE: The territorial District of Rainy River included the present Districts of Rainy River and Kenora up to 1908, when by The Territorial Divisions Act the area was separated into what is now known as the Districts of Fort Frances and Kenora.

FREE GRANT LAND
In Fiscal Year Ending March 31st

| Year | Locations | Acres | Cancellations | Acres | Assignments | Acres | Patents | Acres Patented |
|-----------|-----------|-------|---------------|--------|-------------|--------|---------|-------------------|
| 1944..... | 20 | 2,694 | 528 | 64,783 | 89 | 113,10 | 218 | 28,610 |
| 1945..... | 21 | 2,308 | 678 | 83,655 | 116 | 14,441 | 226 | 29,266 |
| 1946..... | 49 | 5,737 | 545 | 61,459 | 120 | 14,214 | 216 | 26,068 |
| 1947..... | 73 | 8,243 | 449 | 51,906 | 122 | 15,523 | 168 | 21,668 |
| 1948..... | 67 | 8,649 | 403 | 48,578 | 64 | 8,415 | 164 | 22,119 |
| 1949..... | 49 | 5,872 | 280 | 30,536 | 54 | 7,085 | 107 | 14,360 |
| 1950..... | 48 | 6,192 | 336 | 40,732 | 62 | 7,200 | 196 | 24,287 |
| 1951..... | 28 | 3,608 | 289 | 35,371 | 56 | 7,747 | 150 | 19,826 |
| 1952..... | 27 | 3,411 | 159 | 19,785 | 37 | 5,060 | 165 | 21,411 |
| 1953..... | 36 | 4,655 | 181 | 21,874 | 25 | 3,452 | 120 | 16,131 |
| 1954..... | 24 | 2,757 | 250 | 30,784 | 19 | 2,618 | 136 | 17,713 |
| 1955..... | 17 | 1,823 | 209 | 25,755 | 7 | 1,005 | 87 | 11,219 |
| 1956..... | 20 | 2,708 | 114 | 12,661 | 4 | 517 | 59 | 7,501 |
| 1957..... | 8 | 878 | 78 | 8,727 | 1 | 151 | 47 | 6,089 |
| 1958..... | 6 | 796 | 60 | 6,950 | 1 | 156 | 48 | 6,483 |
| 1959..... | 4 | 462 | 43 | 4,689 | 1 | 160 | 36 | 4,658 |

AGRICULTURAL LAND SALES, ETC.

In Fiscal Year Ending March 31st

| Year | No. of Sales | Acres | No. of Cancellations | Acres | No. of Assignments | Acres | No. of Patents | Acres |
|-----------|-----------------|--------|-------------------------|--------|-----------------------|--------|-------------------|--------|
| 1944..... | 325 | 31,934 | 445 | 39,615 | 177 | 20,124 | 359 | 43,845 |
| 1945..... | 269 | 27,158 | 562 | 49,651 | 152 | 16,002 | 315 | 36,307 |
| 1946..... | 281 | 26,535 | 438 | 42,933 | 162 | 17,464 | 321 | 36,683 |
| 1947..... | 303 | 29,757 | 338 | 29,470 | 222 | 22,801 | 433 | 52,189 |
| 1948..... | 280 | 29,506 | 402 | 37,069 | 185 | 21,667 | 299 | 32,929 |
| 1949..... | 277 | 28,740 | 378 | 35,095 | 105 | 12,392 | 225 | 26,435 |
| 1950..... | 267 | 26,671 | 327 | 32,452 | 113 | 12,145 | 316 | 35,483 |
| 1951..... | 195 | 19,228 | 221 | 22,134 | 69 | 7,673 | 256 | 28,104 |
| 1952..... | 223 | 24,420 | 143 | 13,358 | 71 | 7,313 | 242 | 26,474 |
| 1953..... | 186 | 21,965 | 221 | 21,645 | 70 | 7,560 | 256 | 29,319 |
| 1954..... | 144 | 14,534 | 131 | 13,049 | 50 | 4,484 | 256 | 29,123 |
| 1955..... | 158 | 15,232 | 161 | 17,377 | 92 | 4,131 | 188 | 21,265 |
| 1956..... | 117 | 12,230 | 184 | 18,513 | 26 | 3,008 | 148 | 17,892 |
| 1957..... | 82 | 8,683 | 191 | 19,038 | 15 | 1,461 | 126 | 14,882 |
| 1958..... | 101 | 10,543 | 174 | 17,087 | 7 | 807 | 150 | 15,471 |
| 1959..... | 101 | 10,607 | 141 | 13,788 | 12 | 1,227 | 110 | 11,644 |

SUMMER RESORT LANDS

In Fiscal Year Ending March 31st

| Year | Sales | Acres | Cancellations | Acres | Assignments | Acres | Patents | Acres | Surveys |
|-----------|-------|-------|---------------|-------|-------------|-------|---------|-------|---------|
| 1941..... | 169 | 516 | 4 | 8 | .. | ... | 126 | 469 | ... |
| 1942..... | 126 | 423 | 1 | 1 | 2 | 6 | 98 | 361 | ... |
| 1943..... | 169 | 462 | ... | ... | .. | ... | 127 | 421 | ... |
| 1944..... | 344 | 948 | 10 | 25 | 3 | 5 | 231 | 659 | ... |
| 1945..... | 459 | 1,180 | 11 | 20 | 9 | 15 | 206 | 1,525 | 330 |
| 1946..... | 535 | 1,411 | 11 | 35 | 14 | 32 | 277 | 781 | 358 |
| 1947..... | 666 | 1,841 | 6 | 6 | 37 | 186 | 496 | 1,764 | 388 |
| 1948..... | 700 | 1,700 | 26 | 69 | 34 | 139 | 446 | 1,153 | 692 |
| 1949..... | 1,010 | 2,336 | 45 | 218 | 40 | 107 | 756 | 1,984 | 1,199 |
| 1950..... | 1,202 | 2,512 | 77 | 610 | 38 | 95 | 1,046 | 2,613 | 1,435 |
| 1951..... | 1,360 | 2,484 | 62 | 112 | 50 | 94 | 1,125 | 2,294 | 1,737 |
| 1952..... | 1,601 | 2,769 | 75 | 148 | 35 | 319 | 1,294 | 3,363 | 1,800 |
| 1953..... | 1,290 | 2,278 | 73 | 183 | 40 | 127 | 1,263 | 2,287 | 1,458 |
| 1954..... | 1,435 | 2,133 | 76 | 447 | 37 | 72 | 1,312 | 2,168 | 1,752 |
| 1955..... | 1,278 | 1,871 | 84 | 166 | 28 | 42 | 1,479 | 2,438 | 1,670 |
| 1956..... | 1,176 | 1,614 | 108 | 183 | 12 | 17 | 1,384 | 2,089 | 1,269 |
| 1957..... | 714 | 958 | 61 | 124 | 17 | 17 | 1,164 | 1,411 | 1,207 |
| 1958..... | 1,344 | 1,678 | 36 | 53 | 13 | 15 | 962 | 1,350 | 2,083 |
| 1959..... | 2,155 | 2,517 | 27 | 28 | 19 | 23 | 1,220 | 1,588 | 2,660 |

LAND USE PERMITS **In Fiscal Year Ending March 31st**

| Year | Hunt Camp | Trappers Cabin | Residence and Garden | Agricul- ture | Marsh Hay | Mill Site | Sugar Bush | Boat House | Misc. | Dept. Houses | Rondeau Park |
|-----------|--------------|-------------------|----------------------------|------------------|--------------|--------------|---------------|---------------|-------|-----------------|-----------------|
| 1944..... | 157 | 8 | 429 | 68 | 76 | 105 | 9 | 27 | 88 | .... | ... |
| 1945..... | 254 | 30 | 392 | 114 | 63 | 137 | .. | 31 | 131 | 89 | ... |
| 1946..... | 321 | 31 | 398 | 138 | 95 | 156 | .. | 44 | 251 | 236 | ... |
| 1947..... | 391 | 25 | 570 | 201 | 38 | 172 | 10 | 56 | 95 | 330 | ... |
| 1948..... | 464 | 47 | 489 | 233 | 15 | 197 | 2 | 80 | 307 | 377 | ... |
| 1949..... | 543 | 33 | 446 | 129 | 57 | 170 | 2 | 77 | 370 | 501 | 255 |
| 1950..... | 786 | 18 | 386 | 122 | 67 | 175 | 4 | 42 | 265 | 1,262 | 143 |
| 1951..... | 796 | 32 | 261 | 66 | 56 | 231 | 6 | 79 | 599 | 1,617 | 148 |
| 1952..... | 866 | 13 | 259 | 47 | 34 | 239 | .. | 76 | 643 | 1,758 | 153 |
| 1953..... | 957 | ... | 299 | 34 | 24 | 187 | 1 | 69 | 400 | 1,671 | 167 |
| 1954..... | 1,064 | 4 | 224 | 35 | 19 | 169 | .. | 41 | 563 | 1,964 | 191 |
| 1955..... | 1,220 | 29 | 246 | 34 | 10 | 180 | 9 | 102 | 683 | 2,046 | ... |
| 1956..... | 1,234 | 200 | 435 | 130 | 29 | 216 | 5 | 216 | 453 | 2,543 | ... |
| 1957..... | 1,248 | 328 | 459 | 84 | 36 | 215 | 5 | 237 | 537 | 2,613 | ... |
| 1958..... | 1,352 | 218 | 514 | 79 | 37 | 184 | 1 | 252 | 509 | 2,858 | ... |
| 1959..... | 1,190 | 279 | 514 | 89 | 31 | 214 | 3 | 368 | 365 | 3,121 | ... |

Variations are, for the most part, due to cancellations or issue of patents.

AERIAL SURVEYS

VERTICAL PHOTOGRAPHY, 1957-58:

| | | | |
|---|------------------|---|---|
| Forest Resources Inventory—New | 800 square miles | | |
| “ “ “ —Revision . . | 7,395 | “ | “ |
| <hr/> | | | |
| (Vertical Photography of Southern Ontario on scale of 20 chains to inch completed) . | 8,195 | “ | “ |

MAPPING

| | |
|-------------------------|--------------------|
| Mosaic Panels | 8,500 square miles |
|-------------------------|--------------------|

Total Area Photographed and Sketched from 1924 to March 31st, 1958

(Excluding area photographed under contract)

| | | | |
|--------------------------------|---------------------|---|---|
| Aerial Sketching | 26,903 square miles | | |
| Oblique Photography | 10,790 | “ | “ |
| Vertical Photography | 210,630 | “ | “ |

Area Photographed During Ten Years

| | | | |
|-------------------|--------------------|---|---|
| 1948-49 | 7,239 square miles | | |
| 1949-50 | 13,353 | “ | “ |
| 1950-51 | 3,471 | “ | “ |
| 1951-52 | 16,464 | “ | “ |
| 1952-53 | 12,743 | “ | “ |
| 1953-54 | 16,490 | “ | “ |
| 1954-55 | 9,050 | “ | “ |
| 1955-56 | 17,358 | “ | “ |
| 1956-57 | 7,303 | “ | “ |
| 1957-58 | 8,195 | “ | “ |

AERIAL SURVEYS (Square Miles)

| FISCAL YEAR | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 |
|--------------------------------------|--------|-------|--------|-------|--------|--------|--------|-------|--------|-------|-------|
| DEPARTMENT OF LANDS AND FORESTS: | | | | | | | | | | | |
| Forest Resources Inventory..... | 6,681 | 4,882 | 11,882 | 648 | 15,900 | 9,950 | 14,047 | 8,333 | 15,778 | 7,303 | 8,195 |
| Base and Meridian Lines..... | .... | .... | .... | .... | .... | 475 | 892 | 390 | .... | .... | .... |
| Other..... | 177 | .... | 50 | 8 | .... | 535 | 186 | 274 | 480 | .... | .... |
| Hydro-Electric Power Commission..... | 1,938 | 737 | 318 | 186 | 79 | 5 | .... | 40 | .... | .... | .... |
| Department of Mines..... | 200 | 172 | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| Planning and Development..... | 2,203 | 789 | 1,028 | 1,766 | 371 | 1,557 | 1,220 | .... | 1,100 | .... | .... |
| Department of Highways..... | 384 | 477 | .... | 863 | 114 | 370 | 145 | 13 | .... | .... | .... |
| Hammermill Paper Co..... | 30 | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| O. M. Paper Co..... | .... | 108 | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| City of St. Catharines..... | .... | 30 | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| University of Toronto..... | .... | 44 | 25 | .... | .... | .... | .... | .... | .... | .... | .... |
| Fort William/Port Arthur..... | .... | .... | 50 | .... | .... | .... | .... | .... | .... | .... | .... |
| TOTALS..... | 11,613 | 7,239 | 13,353 | 3,471 | 16,464 | 12,892 | 16,490 | 9,050 | 17,358 | 7,303 | 8,195 |

DISTRIBUTION OF LITHOGRAPHED MAPS

| Fiscal Year | Free Issues 20, 20A | District | Island | Townships 42A | Electoral 33A | Misc. | Provincial Total | National* Topographic | Grand Total |
|-------------|---------------------------|----------|--------|------------------|------------------|--------|---------------------|--------------------------|----------------|
| 1947 | 3,650 | 7,378 | 600 | 1,772 | 141 | 3,103 | 16,644 | 10,535 | 27,179 |
| 1948 | 1,975 | 7,373 | 168 | 506 | 25 | 1,100 | 11,147 | 11,215 | 22,362 |
| 1949 | 4,800 | 8,169 | 357 | 1,004 | 169 | 2,030 | 16,529 | 15,241 | 31,770 |
| 1950 | 1,896 | 7,560 | 1,255 | 510 | 152 | 5,062 | 16,435 | 17,013 | 33,448 |
| 1951 | 2,814 | 6,730 | 650 | 370 | 61 | 3,433 | 14,058 | 21,435 | 35,493 |
| 1952 | 2,096 | 9,426 | 932 | 285 | 311 | 3,292 | 16,342 | 24,139 | 40,481 |
| 1953 | 1,990 | 8,156 | 791 | 330 | 207 | 4,150 | 15,624 | 30,310 | 45,934 |
| 1954 | 2,734 | 9,254 | 593 | 216 | 64 | 5,167 | 18,028 | 34,459 | 52,487 |
| 1955 | 3,045 | 12,137 | 607 | 459 | 250 | 8,766 | 25,264 | 48,283 | 73,547 |
| 1956 | 2,113 | 10,475 | 882 | 576 | 839 | 1,254 | 16,139 | 48,604 | 64,743 |
| 1957 | 2,212 | 11,687 | 671 | 398 | 190 | 12,776 | 27,934 | 50,013 | 77,947 |
| 1958 | 1,831 | 12,592 | 345 | 491 | 126 | 1,890 | 17,275 | 62,048 | 79,323 |
| 1959 | 2,435 | 9,071 | 462 | 448 | 259 | 10,400 | 23,075 | 68,787 | 91,862 |

*National Topographic, except those for official use, are for resale.

DIVISION OF TIMBER

The first timber sales were made in Ontario in 1826; previous to this date the only persons authorized to cut timber on public lands were contractors for the Royal Navy, or those holding licences for them. In 1827 the system of sale of timber licences by public auction at a lump sum bonus price in addition to Crown dues was established; this system for the sale of Crown timber licences remained generally unchanged until 1903. From 1903 to 1924, timber sales were made on a basis of bid per thousand feet board measure or other unit of measure over and above Crown dues at which it could be sold, with prices tendered above the Crown dues and upset price being considered as bid price; this in general is the basis for the present sales.

From 1826 to Confederation there was a total area of 12,000 square miles under timber licence, from which \$100,000.00 was collected for bonus. During the period 1866 to 1903, when the last lump sum bonus sale was made, an additional 12,000 square miles was placed under licence; the average bonus received on these sales was about \$2,000.00 per square mile.

The Doyle Rule was the recognized rule for measuring timber sales in Ontario from 1879 to 1953 at which time the Ontario Rule was adopted.

The fiscal year 1908-1909 shows the largest cut of red and white pine in Ontario's history; that year 192,000,000 cu. ft. were cut; since that time the cut has gradually been reduced.

Up until 1935 the management of timber resources in the field was looked after by Crown Timber Agents who dealt with Head Office direct; since that time all phases of Forest Management have been under the control of the District Forester in each District.

In 1946 the Division of Timber Management commenced a survey of the exploitable forest resources of the Province. Since that date 284,908 square miles have been aerial photographed, 249,155 square miles planimetric mapped, 35,753 square miles photo mapped, and 138,759 square miles have been field sampled. In addition to this, companies have supplied forest data on 80,000 square miles.

The inventory was completed during the 1958-59 fiscal year, and 12,500 square miles were re-photographed

to permit the revision of maps and statistical data. This method of inventory ensures the continuance of detailed information on individual stands across extensive areas.

The results of the five-year cull study were published as Report No. 25 of the Forest Resources Inventory series.

The Divisions of Timber Management and Reforestation were joined as Division of Timber on December 1st, 1957, and divided into three branches during the 1958-59 year with responsibilities as follows:

Reforestation Branch: all phases of tree production, extension forestry and agreement forests;

Silviculture Branch: forest inventory, planning, stand improvement and planting;

Timber Branch: timber sales and timber licenses.

REFORESTATION BRANCH

Reforestation was first undertaken by the Ontario Government in 1905 when a small quantity of seedlings was grown at the Ontario Agricultural College at Guelph for use in reforesting waste lands. This nursery was transferred to St. Williams when the first Forest Station was established therein 1908. The program was developed under the Ontario Forestry Branch in charge of Dr. E. J. Zavitz, who became Chief of the new Division of Reforestation when the Department of Lands and Forests was reorganized in May, 1941.

In the administrative structural changes announced on December 1st, 1957, the Division of Reforestation was consolidated with the Division of Timber and became the Reforestation Branch.

The main function of the Branch is the restocking of forest lands by sowing seed and planting trees to protect water supplies and soil, to provide habitat for game and fish, and to sustain the forest and allied industries, for the general benefit and welfare of present and future generations in the Province.

The Branch's services are available for private lands although The Forestry Act, 1952, limits the purposes and areas for which nursery stock may be furnished and imposes charges to be made for trees furnished in respect of such lands.

LICENSED AREAS, 1947-1954

| Year | Number of Licences | Timber Licences Area | Pulpwood and Timber Agreements | Total of Area Licensed |
|-----------|-----------------------|----------------------------|--------------------------------------|------------------------------|
| | | | | sq. mi. |
| 1947..... | 906 | 11,710 | 56,745 | 68,455 |
| 1948..... | 945 | 12,095 | 66,254 | 78,349 |
| 1949..... | 906 | 11,975 | 66,980 | 78,955 |
| 1950..... | 849 | 11,913 | 69,860 | 81,773 |
| 1951..... | 811 | 10,810 | 74,257 | 85,067 |
| 1952..... | 815 | 10,892 | 83,316 | 94,208 |
| 1953..... | 793 | 10,802 | 87,007 | 97,809 |
| 1954..... | 763 | 11,292 | 87,007 | 98,299 |

TIMBER LICENCES CLASSIFIED IN ACCORDANCE WITH THE CROWN TIMBER ACT, 1952 As of March 31st

| Year | Number of Licences | Area Under Section 2 | Area Under Section 3 | Area Under Section 4 | Total Area Licensed |
|-----------|-----------------------|----------------------------|----------------------------|----------------------------|---------------------------|
| 1955..... | 731 | 6,435.50 | 85,075.40 | 21.10 | 91,532.00 |
| 1956..... | 748 | 6,140.05 | 88,273.71 | 170.26 | 94,585.02 |
| 1957..... | 604 | 5,600.65 | 89,952.49 | 200.94 | 95,754.08 |
| 1958..... | 586 | 5,354.80 | 98,149.46 | 181.33 | 103,685.59 |
| 1959..... | 569 | 4,520.62 | 99,612.16 | 199.90 | 104,332.68 |

MILLS LICENSED, 1947-1954

| Year | Sawmills Under 5M Feet | Sawmills 5M To 30M Feet | Sawmills Over 30M Feet | Pulp Mills And/Or Paper Mills |
|-----------|------------------------------|-------------------------------|------------------------------|-------------------------------------|
| 1947..... | 506 | 655 | 42 | 35 |
| 1948..... | 544 | 661 | 49 | 35 |
| 1949..... | 562 | 681 | 40 | 35 |
| 1950..... | 597 | 713 | 43 | 35 |
| 1951..... | 667 | 682 | 53 | 35 |
| 1952..... | 640 | 676 | 58 | 35 |
| 1953..... | 624 | 681 | 58 | 31 |
| 1954..... | 631 | 642 | 56 | 29 |

MILL LICENCES CLASSIFIED IN ACCORDANCE WITH THE CROWN TIMBER ACT, 1952 As of March 31st

| Year | Sawmills Under 10,000 ft. Daily Capacity | Sawmills From 10-50,000 ft. Daily Capacity | Sawmills Over 50,000 ft. Daily Capacity | Pulp Mills and/or Paper Mills | Total of Mills Licensed |
|-----------|--|--|---|--|-------------------------------|
| 1955..... | 1,120 | 159 | 58 | 29 | 1,366 |
| 1956..... | 1,115 | 162 | 59 | 29 | 1,365 |
| 1957..... | 1,120 | 160 | 57 | 29 | 1,366 |
| 1958..... | 1,124 | 158 | 57 | 29 | 1,368 |
| 1959..... | 1,120 | 135 | 54 | 29 | 1,338 |

VOLUME OF WOOD CUT IN ONTARIO (000's Cubic Feet in Years Ending March 31st)

| SPECIES | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 |
|----------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| SOFTWOOD | | | | | | | | | | | | |
| Balsam..... | 11,563 | 15,003 | 13,802 | 9,418 | 12,547 | 16,057 | 11,860 | 13,223 | 14,093 | 14,374 | 13,766 | 12,213 |
| Cedar..... | 139 | 180 | 126 | 127 | 96 | 234 | 197 | 97 | 738 | 459 | 284 | 711 |
| Hemlock..... | 5,731 | 5,272 | 6,299 | 5,753 | 6,679 | 8,933 | 5,808 | 4,368 | 3,872 | 5,321 | 5,050 | 2,567 |
| Jack Pine..... | 78,964 | 85,545 | 81,862 | 58,175 | 85,604 | 108,859 | 81,644 | 75,488 | 81,779 | 88,664 | 99,997 | 78,225 |
| R & W Pine..... | 25,614 | 26,315 | 30,459 | 25,586 | 30,605 | 34,334 | 34,562 | 27,612 | 30,528 | 33,679 | 32,321 | 25,238 |
| Spruce..... | 188,645 | 208,678 | 174,652 | 134,310 | 207,318 | 251,831 | 155,873 | 163,447 | 175,666 | 205,320 | 207,392 | 180,006 |
| Tamarac..... | 4 | 7 | 16 | 10 | 7 | 10 | 12 | 16 | 25 | 102 | 56 | 64 |
| Fuelwood..... | 1,185 | 1,951 | 1,546 | 719 | 673 | 4,677 | 3,396 | 2,354 | 3,001 | 2,401 | 2,536 | 2,359 |
| Others..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 22 | 32 | 22 | 8 |
| TOTAL..... | 311,845 | 342,951 | 308,761 | 234,098 | 343,530 | 424,936 | 293,352 | 286,605 | 309,724 | 348,352 | 361,424 | 301,390 |
| HARDWOOD | | | | | | | | | | | | |
| Birch..... | 4,092 | 4,764 | 5,541 | 6,303 | 6,679 | 7,892 | 8,623 | 8,589 | 7,506 | 7,437 | 7,627 | 8,631 |
| Maple..... | 1,797 | 2,053 | 2,499 | 1,976 | 2,361 | 3,592 | 3,043 | 2,207 | 2,265 | 4,441 | 3,989 | 4,261 |
| Poplar..... | 14,190 | 11,576 | 13,653 | 6,036 | 12,478 | 22,049 | 14,272 | 15,756 | 12,955 | 16,921 | 19,244 | 20,205 |
| Fuelwood..... | 1,020 | 1,652 | 1,054 | 1,166 | 568 | 1,530 | 1,577 | 1,293 | 1,802 | 1,813 | 1,982 | 1,532 |
| Others..... | 580 | 1,755 | 1,061 | 1,148 | 1,145 | 1,335 | 968 | 691 | 552 | 924 | 789 | 819 |
| TOTAL..... | 21,679 | 21,780 | 23,807 | 16,628 | 23,231 | 36,398 | 28,483 | 28,536 | 25,081 | 31,536 | 33,630 | 35,448 |
| TOTAL CUT..... | 333,524 | 364,751 | 332,568 | 250,727 | 366,761 | 461,334 | 321,835 | 315,141 | 334,806 | 379,888 | 395,054 | 336,838 |
| (Export Levy Not Included) | | | | | | | | | | | | |
| TOTAL VALUE in \$000..... | ..... | ..... | ..... | ..... | ..... | ..... | 10,428 | 10,756 | 11,473 | 12,039 | 13,363 | 11,412 |

TIMBER CUT IN ONTARIO (in 000's Cubic Feet and \$000's) in Years Ending March 31st

| YEAR | Permits Issued | Ontario Scale | Doyle Scale | Sawlogs | Boom* Timber | Pulp- wood | Fuel- wood | Christmast Trees | Misc. | Total Volume | Dues | Bonus | Value |
|------|-------------------|------------------|----------------|---------|-----------------|---------------|---------------|---------------------|-------|-----------------|----------|---------|----------|
| 1954 | ..... | 46,025 | 25,267 | 12,119 | 851 | 225,659 | 3,647 | 27,430 | 1,574 | 315,141 | \$ 8,581 | \$2,175 | \$10,756 |
| 1955 | ..... | 61,493 | 5,826 | 12,029 | 2,378 | 245,988 | 4,804 | 43,330 | 2,288 | 334,806 | 9,135 | 2,523 | 11,658 |
| 1956 | 5,403 | 77,087 | 352 | 33,326 | 2,259 | 262,146 | 4,214 | 64,325 | 505 | 379,888 | 9,619 | 2,573 | 12,191 |
| 1957 | 5,192 | 73,986 | 239 | 22,967 | 2,781 | 289,985 | 4,517 | 44,945 | 579 | 395,054 | 10,740 | 2,774 | 13,514 |
| 1958 | 5,051 | 55,938 | 106 | 27,762 | 2,796 | 245,161 | 3,891 | 16,106 | 1,184 | 336,838 | 8,987 | 2,578 | 11,565 |

*Boom Timber, Piling, Poles, Booms and Dimension Timber.

‡Number of trees, averaging ½ cubic feet, each.

TIMBER CUT IN DISTRICTS (in 000's cubic feet and \$000's) in Year Ending March 31, 1958

| DISTRICT | Permits Issued | Ontario Scale | Doyle Scale | Sawlogs | Boom* Timber | Pulp- wood | Fuel- wood | Christmast Trees | Misc. | Total Volume | Dues | Bonus | Value |
|------------------|-------------------|------------------|----------------|---------|-----------------|---------------|---------------|---------------------|-------|-----------------|--------|-------|--------|
| Chapleau..... | 157 | 2,156 | ..... | 10,879 | 133 | 4,862 | 224 | ..... | ..... | 18,255 | \$ 361 | \$ 69 | \$ 430 |
| Cochrane..... | 599 | 860 | ..... | 1,298 | 172 | 33,220 | 792 | ..... | 14 | 36,355 | 1,090 | 183 | 1,272 |
| Fort Frances.. | 91 | 165 | 81 | 42 | 30 | 7,627 | 45 | 15,864 | 30 | 8,020 | 178 | 34 | 212 |
| Geraldton..... | 314 | ..... | ..... | 1,764 | 150 | 66,239 | 285 | ..... | 147 | 68,585 | 1,832 | 140 | 1,972 |
| Gogama..... | 68 | 3,721 | ..... | 1,207 | 479 | 7,559 | 43 | ..... | 4 | 13,013 | 345 | 96 | 441 |
| Kapuskasing... | 1,013 | 1,021 | ..... | 3,956 | 29 | 37,547 | 360 | 80 | 12 | 42,925 | 1,319 | 325 | 1,644 |
| Kenora..... | 247 | 323 | 25 | 777 | 306 | 20,807 | 189 | ..... | 354 | 22,781 | 628 | 102 | 730 |
| Lindsay..... | 20 | 1,425 | ..... | ..... | 3 | 31 | 10 | ..... | ..... | 1,469 | 33 | 26 | 60 |
| Maple..... | 22 | 6 | ..... | ..... | ..... | 4 | 7 | ..... | ..... | 18 | ..... | ..... | ..... |
| North Bay.... | 479 | 12,033 | ..... | 348 | 91 | 1,024 | 106 | ..... | 191 | 13,793 | 344 | 314 | 658 |
| Parry Sound... | 340 | 3,646 | ..... | ..... | 18 | 515 | 181 | 125 | 17 | 4,376 | 92 | 107 | 199 |
| Pembroke..... | 74 | 9,851 | ..... | 11 | 547 | 2,129 | 25 | ..... | 2 | 12,564 | 295 | 312 | 607 |
| Port Arthur... | 285 | 348 | ..... | 4,651 | 447 | 24,169 | 78 | ..... | ..... | 29,693 | 785 | 163 | 948 |
| Sault Ste. Marie | 132 | 10,574 | ..... | 101 | 9 | 917 | 61 | 37 | 2 | 11,663 | 299 | 377 | 676 |
| Sioux Lookout. | 211 | 1,819 | 1 | 50 | 117 | 18,620 | 901 | ..... | 350 | 21,857 | 613 | 23 | 637 |
| Sudbury..... | 343 | 755 | ..... | 123 | 18 | 2,236 | 258 | ..... | 18 | 3,409 | 81 | 44 | 126 |
| Swastika..... | 455 | 4,867 | ..... | 1,930 | 127 | 3,414 | 270 | ..... | 32 | 10,639 | 220 | 146 | 366 |
| Tweed..... | 145 | 1,682 | ..... | 2 | 69 | 781 | 20 | ..... | 11 | 2,564 | 46 | 61 | 107 |
| White River... | 56 | 686 | ..... | 624 | 50 | 13,460 | 36 | ..... | 2 | 14,858 | 425 | 55 | 480 |
| TOTAL..... | 5,051 | 55,938 | 106 | 27,762 | 2,796 | 245,161 | 3,891 | 16,106 | 1,184 | 336,838 | 8,987 | 2,578 | 11,565 |

*Boom Timber, Piling, Poles, Booms and Dimension Timber.

†Number of trees, averaging 1½ cubic feet, each.

MANAGEMENT UNITS (As of March 31st)

| YEAR | COMPANY | | CROWN | | TOTAL | | LICENSEES* | |
|---------|---------|---------|-------|---------|-------|---------|------------|---------|
| | No. | Sq. Mi. | No. | Sq. Mi. | No. | Sq. Mi. | No. | Sq. Mi. |
| 1954... | 36 | ..... | 87 | ..... | 123 | ..... | 67 | ..... |
| 1955... | 36 | ..... | 81 | ..... | 117 | ..... | .. | ..... |
| 1956... | 39 | 78,382 | 82 | ..... | 121 | ..... | 57 | 12,457 |
| 1957... | 41 | 78,837 | 80 | 129,551 | 121 | 208,388 | 59 | 13,242 |
| 1958... | 43 | 85,034 | 81 | 125,397 | 124 | 210,431 | 57 | 11,841 |
| 1959... | 48 | 89,754 | 77 | 120,165 | 125 | 210,919 | 58 | 12,111 |

MANAGEMENT PLANS RECEIVED

| | | | | | | | | |
|---------|----|--------|----|---------|-----|---------|----|--------|
| 1954... | 22 | 50,106 | 36 | 34,308 | 58 | 84,414 | 50 | 9,158 |
| 1955... | 24 | 52,000 | 77 | 126,000 | 101 | 178,000 | 60 | 10,000 |
| 1956... | 27 | 57,706 | 72 | 119,015 | 99 | 176,721 | 45 | 9,074 |
| 1957... | 29 | 61,730 | 72 | 119,015 | 101 | 180,745 | 48 | 9,706 |
| 1958... | 30 | 62,773 | 74 | 119,596 | 104 | 182,369 | 46 | 7,947 |
| 1959... | 33 | 66,043 | 65 | 111,669 | 98 | 177,712 | 47 | 9,021 |

*Licences of over 50 square miles each within Crown Units.

REFORESTATION ESTABLISHMENTS

As at March 31st, 1959

| SEED PLANTS | YEAR ESTAB- LISHED |
|-------------------|--------------------------|
| Angus..... | 1923 |
| St. Williams..... | 1908 |

| NURSERIES | *PRODUCTION OF NURSERY STOCK | |
|--------------------------------|---------------------------------|------|
| Chapleau..... | | 1956 |
| Dryden..... | | 1958 |
| Englehart..... | | 1955 |
| Fort William..... | 5,284,795 | 1946 |
| Gogama..... | | 1956 |
| Kemptville..... | 4,707,013 | 1946 |
| Midhurst..... | 10,031,130 | 1922 |
| North Bay..... | 87,500 | 1954 |
| Orono..... | 6,178,345 | 1922 |
| Sault Ste. Marie..... | | 1956 |
| St. Williams..... | 7,063,267 | 1908 |
| Swastika..... | | 1958 |
| White River..... | | 1956 |
| Bourget..... | 28,965 | |
| Ranger School..... | 6,500 | |
| Southern Research Station..... | 345 | |

DEMONSTRATION FORESTS

| | |
|-------------------------------------|------|
| Angus..... | 1923 |
| Bloomfield (Sand Banks Forest)..... | 1920 |
| Elizabethville (Prouse Forest)..... | 1946 |
| Fort William..... | 1946 |
| Kemptville..... | 1946 |
| Midhurst..... | 1922 |
| Orono..... | 1922 |
| St. Thomas (McKay Forest)..... | 1940 |
| St. Williams..... | 1908 |
| Speyside..... | 1942 |

*DISPOSITION OF NURSERY STOCK

| | |
|---|------------|
| Planted on Crown Lands..... | 16,080,698 |
| Planted in Forests Managed by the Minister..... | 4,109,640 |
| Supplied to Owners of Private Lands..... | 12,986,865 |
| Education and Scientific Purposes..... | 28,356 |
| Miscellany, Departmental Exhibits, etc..... | 167,451 |
| Stored at Planting Sites, etc..... | 41,100 |
| TOTAL..... | 33,414,110 |

*In year ended March 31st, 1959.

SUMMARY OF NURSERY STOCK FURNISHED
FROM NURSERIES OPERATED BY
THE DEPARTMENT

| PERIOD | TOTAL TREES |
|---------------------|-------------|
| 1905-1912 | 1,480,539 |
| 1913-1925 | 13,096,866 |
| 1926 | 4,433,409 |
| 1927 | 7,104,319 |
| 1928 | 11,138,985 |
| 1929 | 12,789,568 |
| 1930 | 11,175,894 |
| 1931 | 11,846,920 |
| 1932 | 10,303,569 |
| 1933 | 9,422,463 |
| 1934 | 9,760,730 |
| 1935 | 10,663,155 |
| 1936 | 10,109,772 |
| 1937 | 11,261,644 |
| 1938 | 12,339,993 |
| 1939 | 16,921,906 |
| 1940 | 17,266,697 |
| 1941 | 13,511,299 |
| 1942 | 11,303,187 |
| 1943 | 10,522,917 |
| 1944 | 10,999,379 |
| 1945 | 11,280,981 |
| 1946 | 13,175,575 |
| 1947 | 12,269,533 |
| 1948 | 13,049,776 |
| 1949 | 17,700,970 |
| 1950 | 19,027,807 |
| 1951-1952 | 20,749,268 |
| 1952-1953 | 24,241,754 |
| 1953-1954 | 23,448,860 |
| 1954-1955 | 25,519,383 |
| 1955-1956 | 28,351,483 |
| 1956-1957 | 31,081,112 |
| 1957-1958 | 25,854,262 |
| 1958-1959 | 33,414,110 |
| <hr/> | |
| TOTAL | 526,618,085 |

TREES PLANTED ON CROWN LANDS IN ONTARIO

| DISTRICT | 1953-54 | 1954-55 | 1955-56 | 1956-57 | 1957-58 | 1958-59 |
|-----------------------|-----------|-----------|-----------|------------|-----------|------------|
| Aylmer..... | 126,025 | 60,974 | 68,796 | 69,123 | 188,177 | 828,616 |
| Chapleau..... | 101,400 | 127,000 | 572,040 | 1,004,100 | 789,600 | 1,751,000 |
| Cochrane..... | 179,125 | 451,175 | 490,262 | 791,800 | 525,118 | 1,028,400 |
| Fort Frances..... | 20,000 | 54,250 | 94,550 | 535,000 | 629,800 | 675,715 |
| Geraldton..... | 129,700 | 22,500 | 18,025 | 224,600 | 363,180 | 623,015 |
| Gogama..... | 125,000 | 2,000 | 3,066 | 330,231 | 400,000 | 1,000,250 |
| Hespeler..... | 21,250 | 27,935 | 51,328 | 64,912 | 40,210 | 19,460 |
| Kapuskasing..... | 22,000 | 202,900 | 225,000 | 626,425 | 461,100 | 884,100 |
| Kemptville..... | 32,700 | 79,678 | 82,770 | 168,088 | 12,192 | 54,505 |
| Kenora..... | 29,500 | 48,800 | 143,650 | 252,200 | 243,600 | 383,760 |
| Lindsay..... | 288,780 | 320,124 | 496,755 | 929,760 | 709,165 | 500,000 |
| Maple..... | 448,551 | 377,152 | 594,734 | 311,817 | 205,713 | 510,813 |
| North Bay..... | 114,925 | 89,102 | 457,988 | 189,900 | 196,025 | 322,077 |
| Parry Sound..... | 1,141,350 | 1,077,180 | 1,052,994 | 1,188,600 | 672,984 | 918,200 |
| Pembroke..... | 477,325 | 1,029,100 | 1,045,500 | 1,239,300 | 598,965 | 991,948 |
| Port Arthur..... | 357,625 | 314,698 | 167,599 | 783,799 | 1,036,628 | 796,700 |
| Sault Ste. Marie..... | 941,625 | 997,472 | 874,000 | 1,474,375 | 854,840 | 1,747,117 |
| Sioux Lookout..... | 9,450 | 18,250 | 61,000 | 104,000 | 120,000 | 150,000 |
| Sudbury..... | 102,160 | 170,607 | 161,912 | 384,050 | 305,217 | 533,415 |
| Swastika..... | 106,820 | 271,000 | 471,500 | 803,050 | 747,105 | 991,110 |
| Tweed..... | 120,724 | 554,425 | 590,265 | 938,195 | 486,924 | 882,000 |
| White River..... | 20,800 | 20,110 | 23,625 | 73,450 | 209,625 | 455,000 |
| Toronto..... | 300 | ..... | ..... | ..... | 5,863 | 23,997 |
| Ranger School..... | ..... | ..... | 10,500 | 13,000 | 10,100 | 9,500 |
| TOTAL..... | 4,917,135 | 6,316,432 | 7,757,859 | 12,499,755 | 9,812,131 | 16,080,698 |

TREES FURNISHED FOR PLANTING ON PRIVATE LANDS

| COUNTY OR DISTRICT | 1953-54 | 1954-55 | 1955-56 | 1956-57 | 1957-58 | 1958-59 |
|---------------------------|-----------|-----------|-----------|-----------|-----------|---------|
| Algoma..... | 153,250 | 276,650 | 271,350 | 239,350 | 316,525 | 387,525 |
| Brant..... | 125,350 | 221,600 | 166,675 | 243,950 | 105,775 | 120,350 |
| Bruce..... | 186,900 | 202,165 | 190,150 | 121,625 | 162,100 | 165,675 |
| Carleton..... | 117,600 | 113,950 | 155,675 | 106,425 | 157,175 | 180,500 |
| Cochrane..... | 22,350 | - 700 | 13,700 | 11,600 | 8,200 | 1,800 |
| Dufferin..... | 446,650 | 555,125 | 890,575 | 1,191,975 | 594,375 | 784,725 |
| Dundas..... | 47,500 | 26,975 | 49,650 | 36,800 | 43,225 | 24,050 |
| Durham..... | 1,557,975 | 1,271,050 | 1,558,125 | 1,294,825 | 1,078,025 | 692,400 |
| Elgin..... | 279,300 | 174,550 | 230,875 | 216,650 | 125,775 | 117,275 |
| Essex..... | 84,025 | 47,925 | 45,925 | 40,525 | 34,650 | 44,500 |
| Frontenac..... | 52,600 | 77,075 | 76,850 | 77,475 | 76,500 | 117,925 |
| Glengarry..... | 13,650 | 18,675 | 19,050 | 15,025 | 12,825 | 86,675 |
| Grenville..... | 48,200 | 123,100 | 51,575 | 56,700 | 62,650 | 79,550 |
| Grey..... | 470,875 | 628,075 | 687,950 | 569,955 | 590,375 | 695,150 |
| Haldimand..... | 83,650 | 63,225 | 57,050 | 52,725 | 25,000 | 50,425 |
| Haliburton..... | 91,425 | 111,675 | 161,250 | 162,825 | 174,525 | 166,200 |
| Halton..... | 375,575 | 320,775 | 275,200 | 164,700 | 150,650 | 209,175 |
| Hastings..... | 228,625 | 260,650 | 390,900 | 498,500 | 301,425 | 327,725 |
| Huron..... | 301,800 | 299,500 | 314,695 | 282,000 | 252,175 | 256,850 |
| Kenora..... | 1,275 | 26,500 | 9,950 | 13,850 | 8,100 | 12,950 |
| Kent..... | 113,850 | 107,650 | 131,975 | 119,175 | 70,575 | 108,600 |
| Lambton..... | 180,225 | 229,975 | 118,625 | 113,475 | 118,950 | 111,000 |
| Lanark..... | 138,275 | 157,100 | 177,425 | 146,775 | 178,950 | 203,800 |
| Leeds..... | 98,200 | 58,775 | 58,700 | 48,300 | 44,900 | 74,050 |
| Lennox and Addington..... | 79,075 | 50,425 | 60,500 | 103,200 | 126,400 | 120,750 |
| Lincoln..... | 45,075 | 49,825 | 57,800 | 48,350 | 32,800 | 71,900 |
| Manitoulin..... | 12,450 | 69,525 | 269,600 | 309,650 | 151,300 | 59,700 |

| | | | | | | |
|---------------------|------------|------------|------------|------------|------------|------------|
| Middlesex..... | 242,225 | 192,500 | 192,725 | 237,650 | 135,825 | 174,450 |
| Muskoka..... | 507,425 | 577,975 | 799,300 | 564,575 | 511,700 | 422,375 |
| Nipissing..... | 167,350 | 159,725 | 242,125 | 159,200 | 205,975 | 139,800 |
| Norfolk..... | 278,800 | 253,200 | 234,800 | 281,550 | 287,100 | 282,775 |
| Northumberland..... | 325,925 | 390,525 | 588,825 | 388,075 | 269,275 | 279,650 |
| Ontario..... | 581,650 | 600,600 | 635,375 | 510,475 | 528,075 | 548,225 |
| Oxford..... | 220,775 | 241,600 | 198,100 | 127,000 | 102,700 | 179,450 |
| Parry Sound..... | 696,350 | 875,275 | 1,085,300 | 909,600 | 771,325 | 722,275 |
| Peel..... | 426,750 | 439,175 | 333,300 | 320,275 | 349,175 | 510,475 |
| Perth..... | 109,650 | 115,225 | 104,325 | 133,550 | 47,500 | 81,850 |
| Peterborough..... | 199,525 | 258,425 | 290,900 | 241,425 | 212,250 | 196,690 |
| Prescott..... | 28,650 | 40,550 | 52,825 | 78,275 | 53,800 | 93,300 |
| Prince Edward..... | 13,450 | 24,400 | 25,400 | 17,975 | 9,675 | 18,600 |
| Rainy River..... | 4,200 | 1,375 | 7,275 | 36,250 | 20,100 | 154,925 |
| Renfrew..... | 283,525 | 282,325 | 330,600 | 264,200 | 324,100 | 346,875 |
| Russell..... | 18,600 | 23,950 | 16,375 | 47,125 | 54,150 | 38,825 |
| Simcoe..... | 2,308,350 | 2,246,075 | 1,964,500 | 1,755,850 | 1,710,525 | 1,312,420 |
| Stormont..... | 27,250 | 33,500 | 8,575 | 12,000 | 9,000 | 19,250 |
| Sudbury..... | 69,225 | 98,375 | 96,125 | 80,875 | 89,250 | 182,200 |
| Thunder Bay..... | 287,575 | 191,225 | 254,800 | 99,525 | 175,850 | 240,200 |
| Timiskaming..... | 5,175 | 23,375 | 32,100 | 42,050 | 47,525 | 9,300 |
| Victoria..... | 114,450 | 513,525 | 150,175 | 176,275 | 188,974 | 130,075 |
| Waterloo..... | 227,600 | 217,375 | 250,975 | 262,500 | 196,075 | 258,825 |
| Welland..... | 218,700 | 130,525 | 108,875 | 109,250 | 93,375 | 131,350 |
| Wellington..... | 577,325 | 580,925 | 647,825 | 306,250 | 485,950 | 339,550 |
| Wentworth..... | 245,925 | 260,925 | 313,200 | 281,325 | 198,650 | 263,925 |
| York..... | 646,650 | 603,175 | 797,775 | 691,825 | 441,275 | 638,005 |
| TOTAL..... | 14,188,800 | 14,559,040 | 16,254,270 | 14,421,330 | 12,523,099 | 12,986,865 |

TREES PLANTED ON FORESTS MANAGED BY THE MINISTER

| COUNTY | 1953-54 | 1954-55 | 1955-56 | 1956-57 | 1957-58 | 1958-59 |
|----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Brant..... | ..... | ..... | ..... | 11,450 | ..... | ..... |
| Bruce..... | 343,550 | 181,900 | 215,000 | 136,050 | 70,000 | 70,700 |
| Dufferin..... | 51,400 | 7,000 | 3,000 | 10,000 | 1,500 | 10,000 |
| Grey..... | 353,600 | 241,750 | 134,400 | 276,500 | 232,500 | 184,200 |
| Halton..... | 24,000 | 18,450 | 37,300 | 36,700 | 12,800 | 14,000 |
| Huron..... | 16,000 | 84,300 | 14,220 | 10,000 | 59,000 | 114,100 |
| Kent..... | ..... | 9,000 | 7,200 | 10,000 | ..... | ..... |
| Lanark..... | ..... | ..... | 58,750 | 35,925 | ..... | ..... |
| Leeds and Grenville..... | 195,600 | 244,900 | 155,000 | 228,650 | 195,600 | 225,300 |
| Lennox and Addington..... | 15,225 | 65,100 | 3,600 | 60,000 | ..... | ..... |
| Middlesex..... | ..... | 48,850 | 22,600 | 7,000 | ..... | ..... |
| Northumberland and Durham..... | 232,275 | 299,638 | 250,100 | ..... | ..... | 48,000 |
| Ontario..... | 2,250 | ..... | 18,400 | 20,000 | 66,000 | 96,750 |
| Oxford..... | ..... | ..... | 43,650 | 26,600 | 17,100 | 9,000 |
| Prescott and Russell..... | 1,187,125 | 1,285,495 | 1,289,825 | 1,125,108 | 956,613 | 8,000 |
| Renfrew..... | 45,700 | ..... | 21,400 | 30,000 | ..... | 1,132,590 |
| Simcoe..... | 375,025 | 307,200 | 401,750 | 349,950 | 24,000 | 18,000 |
| Stormont, Dundas, Glengarry..... | 158,800 | 253,925 | 85,300 | 34,500 | 333,400 | 499,200 |
| Victoria..... | 105,500 | 50,000 | 29,000 | 14,600 | 10,000 | ..... |
| Waterloo..... | 4,000 | 20,400 | 61,500 | 113,200 | 129,247 | 193,000 |
| Wentworth..... | 131,500 | 49,000 | 165,300 | 86,800 | 13,500 | 19,500 |
| York..... | 12,600 | 53,600 | 95,900 | 108,200 | 86,500 | 127,600 |
| SUB-TOTAL..... | 3,254,150 | 3,220,508 | 3,113,195 | 2,731,233 | 2,230,960 | 2,770,940 |

[illegible]

| | | | | | | |
|------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Ausable River..... | 73,300 | 122,800 | 51,150 | 100,675 | 159,900 | 93,000 |
| Big Creek Region..... | | 59,975 | 8,500 | 66,000 | 20,600 | 14,000 |
| Ganaraska River..... | 363,530 | 372,850 | 321,800 | 165,600 | 209,000 | 190,250 |
| Grand Valley..... | 68,300 | 25,800 | 89,400 | 221,000 | 193,050 | 388,600 |
| Metro. Toronto & Region..... | 159,900 | 166,075 | 74,500 | 128,800 | 44,700 | 73,000 |
| Middle Maitland Valley..... | | | 11,780 | 13,925 | 37,800 | 14,000 |
| Moirs River..... | 74,295 | 34,150 | 103,000 | 74,000 | 99,400 | 100,000 |
| Napanee Valley..... | | | 20,000 | | | |
| Neebing Valley..... | | | | | | 1,500 |
| North Grey Region..... | | | | | | 75,000 |
| Other Creek..... | | | | | | |
| Saugeen Valley..... | 27,800 | 208,000 | 137,000 | 198,950 | 100,000 | 287,600 |
| Upper Thames River..... | 103,150 | 50,000 | 129,000 | 159,350 | 56,000 | 71,850 |
| SUB-TOTAL..... | 870,275 | 1,039,250 | 946,130 | 1,128,300 | 920,450 | 1,308,800 |
| TOTAL..... | 4,341,925 | 4,564,708 | 4,199,075 | 4,044,108 | 3,267,310 | 4,109,640 |

FOREST AREAS MANAGED BY THE MINISTER

| COUNTY | Date of Agreement | Acreage to March 31st, 1959 |
|------------------------------------|-------------------|-----------------------------|
| Brant..... | 15 Nov., 1952 | 50.00 |
| Bruce..... | 20 Jan., 1950 | 14,656.35 |
| Dufferin..... | 26 Nov., 1930 | 2,042.00 |
| Grey..... | 21 Dec., 1937 | 6,668.08 |
| Halton..... | 14 Mar., 1950 | 1,245.63 |
| Huron..... | 27 Nov. 1950 | 1,339.00 |
| Kent..... | 21 Dec., 1953 | 100.00 |
| Lanark..... | 5 July, 1940 | 2,100.00 |
| Leeds & Grenville..... | 24 April, 1940 | 5,485.50 |
| Lennox & Addington..... | 3 April, 1952 | 786.00 |
| Middlesex..... | 8 Mar., 1954 | 280.00 |
| Northumberland & Durham..... | 20 April, 1955 | 4,877.00 |
| Ontario..... | 9 July, 1930 | 1,800.00 |
| Oxford..... | 1 Sept., 1950 | 733.00 |
| Prescott & Russell..... | 22 Dec., 1948 | 23,063.83 |
| Renfrew..... | 26 Dec., 1951 | 221.00 |
| Simcoe..... | 25 Nov., 1949 | 15,014.19 |
| Stormont, Dundas & Glengarry..... | 29 Sept., 1949 | 1,524.45 |
| Victoria..... | 10 Aug., 1928 | 7,044.00 |
| Waterloo..... | 17 April, 1950 | 710.48 |
| Wentworth..... | 27 Nov., 1952 | 889.30 |
| York..... | 25 Sept., 1952 | 3,472.08 |
| Sub-Total..... | | 94,101.89 |
| TOWNSHIP | | |
| Bonfield..... | 1 April, 1952 | 60.00 |
| Charlottenburgh..... | 1 April, 1955 | 175.00 |
| Cumberland..... | 29 May, 1952 | 808.44 |
| Galway..... | 1 Nov., 1952 | 100.00 |
| Marlborough..... | 21 Sept., 1953 | 200.00 |
| Torbolton..... | 28 Mar., 1953 | 430.80 |
| Sub-Total..... | | 1,774.24 |
| CONSERVATION AUTHORITY | | |
| Ausable River..... | 13 Dec., 1951 | 2,544.00 |
| Big Creek Region..... | 2 Dec., 1954 | 1,600.00 |
| Ganaraska River..... | 31 Jan., 1947 | 7,292.00 |
| Grand Valley..... | 18 Mar., 1952 | 3,466.47 |
| Metropolitan Toronto & Region..... | 11 April, 1951 | 1,222.00 |
| Middle Maitland Valley..... | 1 April, 1955 | 350.00 |
| Mora River..... | 28 Nov., 1951 | 6,456.00 |
| Napanee Valley..... | 28 Oct., 1954 | 4,485.00 |
| Neebing Valley..... | 15 May, 1958 | 1,030.70 |
| North Grey Region..... | 25 June, 1958 | 994.00 |
| Otter Creek..... | 26 April, 1957 | 302.00 |
| Saugeen Valley..... | 15 Dec., 1952 | 7,138.00 |
| Upper Thames River..... | 11 April, 1951 | 3,207.23 |
| Sub-Total..... | | 40,087.40 |
| TOTAL..... | | 135,963.53 |

ONTARIO RELATED TO CANADA

| PROVINCE | AREA SQ. MILES | POPULATION 1959 | ENTERED CONFEDERATION |
|--------------------------|-------------------|--------------------|--------------------------------|
| Alberta..... | 255,285 | 1,243,000 | Sept. 1, 1905 |
| British Columbia..... | 366,255 | 1,570,000 | July 20, 1871 |
| Manitoba..... | 246,512 | 885,000 | July 15, 1870 |
| New Brunswick..... | 27,985 | 590,000 | July 1, 1867 |
| Newfoundland..... | 155,364 | 449,000 | Mar. 31, 1949 |
| Nova Scotia..... | 21,068 | 716,000 | July 1, 1867 |
| Ontario..... | 412,582 | 5,952,000 | July 1, 1867 |
| Prince Edward Island... | 2,184 | 102,000 | July 1, 1873 |
| Quebec..... | 594,860 | 4,999,000 | July 1, 1867 |
| Saskatchewan..... | 251,700 | 902,000 | Sept. 1, 1905 |
| Yukon..... | 207,076 | 13,000 | Organized June 13, 1898 |
| Northwest Territories... | 1,304,903 | 21,000 | Reconstituted Sept. 1, 1905 |

Source: Canadian Bureau of Statistics for Year ended June 1st, 1959.

A RECONSTRUCTION OF CANADA'S POPULATION RECORD

1851-1951*

| Year | Births | Deaths | Immigration | Emigration | Population at End of Decade | Ontario Population Since Confederation |
|---------------------|-----------|-----------|-------------|---------------------------|-----------------------------|--|
| 1759..... | ..... | ..... | ..... | .....(Total White) 60,000 | ..... | ..... |
| 1851..... | ..... | ..... | ..... | ..... | 2,436,000 | ..... |
| 1851-61..... | 1,281,000 | 611,000 | 209,000 | 86,000 | 3,230,000 | ..... |
| 1861-71..... | 1,369,000 | 718,000 | 187,000 | 377,000 | 3,689,000 | 1,620,000 |
| 1871-81..... | 1,477,000 | 754,000 | 353,000 | 439,000 | 4,325,000 | 1,926,000 |
| 1881-91..... | 1,538,000 | 824,000 | 903,000 | 1,110,000 | 4,833,000 | 2,114,000 |
| 1891-01..... | 1,546,000 | 828,000 | 326,000 | 505,000 | 5,371,000 | 2,182,000 |
| 1901-11..... | 1,931,000 | 811,000 | 1,782,000 | 1,067,000 | 7,207,000 | 2,527,000 |
| 1911-21..... | 2,338,000 | 1,018,000 | 1,592,000 | 1,330,000 | 8,788,000 | 2,933,000 |
| 1921-31..... | 2,414,000 | 1,053,000 | 1,195,000 | 967,000 | 10,377,000 | 3,431,000 |
| 1931-41..... | 2,291,000 | 1,070,000 | 150,000 | 241,000 | 11,507,000 | 3,787,000 |
| 1941-51..... | 3,205,000 | 1,216,000 | 548,000 | 380,000 | 14,009,000 | 4,597,000 |
| 1955..... | ..... | ..... | ..... | ..... | 15,575,000 | 5,100,000 |
| 1956..... | ..... | ..... | ..... | ..... | 16,081,000 | 5,405,000 |
| 1959 (Sept. 1)..... | ..... | ..... | ..... | ..... | 17,550,000 | 5,990,000 |

*Taken from "The Growth of Canadian Population" by Nathan Keyfitz.

FEDERAL-PROVINCIAL CO-OPERATIVE AGREEMENTS

1. LAC SEUL WATER DIVERSION--February 28th, 1928.

The Province constructed a water dam at the outlet of Lac Seul. Total Cost: \$833,919.19.

Under the agreement:

(1) Three-fifths of cost contributed by Canada,
\$500,351.52.

Two-fifths of cost contributed by Ontario,
\$333,567.67.

(2) Canada assumes the total cost of maintenance and operation.

(3) Canada pays to Ontario 5% on Ontario's capital contribution. As water power is developed (79.37% as of January 1, 1959) this payment is reduced by such percentage.

(4) As water power is developed, Ontario pays Canada the percentage mentioned in item (3) of two-fifths of the cost of maintenance and operation.

NOTE: Ontario recovers the reduction in interest and the proportion of maintenance and operation costs chargeable by Canada from the H.E.P.C. under existing Water Power Agreements.

2. USE OF BECKWITH ISLAND FOR GROUSE RESEARCH-- October 7, 1949.

Permission by letter of Federal Department of Mines and Resources (Indian Affairs Branch) on October 7th, 1949, to use Beckwith Island for grouse research purposes by the Division of Research.

3. USE OF CERTAIN AREAS IN CAMP BORDEN FOR RE- SEARCH IN SILVICULTURE--January 12th, 1951.

Agreement between Federal Department of National Defence and Ontario Department of Lands and Forests:

(1) Use and occupy from 21st December, 1950, for observation and experiments on trees, certain areas in Camp Borden;

- (2) Erect boundary posts and housing for instruments;
- (3) Bring water and power into the area;
- (4) Give right of entry to the area and right to use motor vehicles in the area.

4. ESTABLISHMENT, MAINTENANCE AND OPERATION OF:

- (1) Forest Insect Laboratory at Sault Ste. Marie;
- (2) Laboratory of Forest Pathology, at Maple, September 30th, 1952.

Agreement between Canada (Department of Agriculture) and Ontario (Department of Lands and Forests) replaces original agreements of 28th April, 1945, and July 5th, 1949.

- (1) Co-operation in control of forest insects and forest diseases through entomological and pathological studies;
- (2) Ontario agrees to provide, maintain, repair and heat for the use of the Division of Forest Biology the two laboratories;
- (3) Canada provides research personnel and equipment for the laboratories;
- (4) Preference given to forest insect and forest diseases problems of Ontario;
- (5) Result of studies, advice and assistance will be available to Ontario;
- (6) Advisory Committee to the Minister of Agriculture (Federal) and the Minister of Lands and Forests (Ontario) consists of eight members (each Minister to appoint four) with the purpose of reviewing reports and making recommendations relating to the studies by the laboratories;
- (7) Agreement is subject to review and may be terminated on six months' notice.

5. AGREEMENTS UNDER CANADA FORESTRY ACT

- A. December 20th, 1956, partly amended on March 27th, 1958.

Agreement between Canada (Department of Northern Affairs and National Resources) and

Ontario (Department of Lands and Forests) by which Canada undertook to share costs of:

- (1) completing forest resources inventory;
- (2) maintaining forest resources inventory;
- (3) reforesting certain crown lands and other lands owned by public authorities;
- (4) establishing and maintaining nurseries.

This agreement replaces previous one of 28th January, 1952, and extends the Federal Assistance until March 31st, 1961.

The Federal share amounts to: (1) and (2) 50 per cent of total cost; (3) \$10.00 for each reforested unit (1,000 trees) by planting or \$1.00 for each reforested unit (1 acre) by seeding on unoccupied crown land; (4) 20 per cent of the cost.

5. B. June 20th, 1957. Agreement between Canada and Ontario by which Canada assists the Province to achieve adequate forest fire protection by sharing certain costs of forest fire protection with the Province.

The agreement covers fiscal years, 1st April, 1957, to 31st of March, 1962.

- (1) 50 per cent of the cost of equipment for forest fire prevention, detection and suppression, forest protection communication and transportation;
- (2) 50 per cent of the cost of erecting building to be primarily used for forest fire protection;
- (3) 50 per cent of the cost of charter or employment of aircraft and vessels for forest fire protection;
- (4) 25 per cent of the cost of buildings primarily used for other purposes and partly for forest fire protection and of the construction of forest access roads.

The assistance is limited to an established Federal Government maximum amount (\$281,224.00 for 1960-61). Additional assistance may only be paid if other provinces will not qualify to receive their full maximum allotment.

6. January 16th, 1950. Fur Management Agreement between Canada (Department of Mines and Resources) and Ontario (Department of Lands and Forests) for the purpose of mutual assistance in the management and development of fur resources in order to provide better livelihood for Indians.
7. Agreement effective from April 1st, 1950, until March 31st, 1960. Relates to that part of the Province of Ontario lying north of the French and Mattawa Rivers. Canada shares in the cost of maintaining and extending fur management services in the amount of \$75,000 per annum. Ontario must spend at least \$150,000 annually on such services. A special Fur Management Committee (two Ontario and one Canada nominee) was created "in order to plan expenditures, advise in the development and management of fur resources within the agreement".
5. C. Forest Research Agreement, January 29th, 1959.

Agreement between Canada (Department of Northern Affairs and National Resources) and Ontario (Department of Lands and Forests) in a co-operative programme of forest research. Canada will conduct studies in forest research, particularly on problems affecting Ontario, with the recommendations of the Advisory Committee appointed under the agreement. Ontario provides accommodation. Canada supplies equipment and staff. Results of studies are available to Ontario. Canada is to comply with reasonable requests from Ontario for advice and assistance. The Advisory Committee is composed of eight members, four appointed by the Federal Minister and four appointed by the Ontario Minister. The Committee recommends the studies to be made, reviews reports, recommends pilot experiments and test procedures, and formulates recommendations respecting operating practices upon completion of experiments and tests.

UNEMPLOYMENT RELIEF

FEDERAL-PROVINCIAL AGREEMENTS WHICH EXPIRED IN 1959-60

Campgrounds and Picnic Areas

1. By an exchange of letters dated October 30, 1958, and December 2, 1958, between the Minister of Northern Affairs and National Resources and the Minister of Lands and Forests, Canada, with the twofold purpose of providing added employment during a period when there was unemployment in many parts of Canada, and assisting Ontario in meeting the growing demand for campgrounds and picnic areas, agreed to reimburse Ontario for one-half of the expenditures made by Ontario in respect of costs incurred in a campground-picnic areas programme during the period from November 1, 1958, to May 31, 1959, or the labour costs of such a programme, whichever was the lesser.

Forest Access Roads and Trail Construction

2. Under an agreement dated the 5th day of February, 1959, between Ontario and Canada, Canada agreed to pay one-half of amounts expended by Ontario between November 1, 1958, and June 30, 1959, on forest access roads and trail construction projects which are not eligible for construction by Canada under any other agreement. No payment on account of the purchase of land or right-of-way or for damages for injurious affection is to be made, and it is a condition that one-half of the expenditures by Ontario must consist of payment of wages.

HISTORICAL HIGHLIGHTS

Ontario Department of Lands and Forests

- 1763 Modified feudal system of land tenure existed when British occupied French Canada.
- 1819 Land Boards were given authority to settle people on 100-acre lots within their districts.
- 1827 Policy of non-alienation of forested Crown Lands established. First Commissioner of Crown Lands appointed. Surveyor-General of Woods and Forests in the Province of Upper Canada appointed.
- 1838 First Public Lands Act (King William IV, May 17th).
- 1840 Commissioner of Crown Lands for Canada appointed following Act of Union of that year.
- 1842 Upper and Lower Canada united in legislative union.
- 1852 Woods and Forests Branch of Crown Land Department established to replace host of local land agents who formerly administered the affairs of Woods and Forests.
- 1853 Land Act (repealed).
- 1854 Bill introduced to prevent careless setting of fire (not enacted).
- 1867 Confederation. First Commissioner for Crown Lands in Ontario appointed.
- 1868 Land Act of this year is basis of regulations made to present day.
- 1878 First forest-protection legislation passed—"An Act to Preserve the Forests from Destruction by Fire".
- 1886 First system of fire ranging instituted.
- 1887 Camera first used for survey work.
- 1890 Ontario Cullers Act enacted.

- 1893 Algonquin Park established.
 - 1897 Fire Rangers placed on unlicensed land at public expense.
 - 1900 Export of pulpwood and hemlock bark prohibited. Lake Temagami Forest Reserve created.
 - 1904 Four Public Land Acts consolidated. Ontario Government initiates policy of giving attention to problems of forestry in Southern Ontario. Forestry Department created at Ontario Agricultural College in Guelph. Forest Nursery established at O.A.C.
 - 1905 Report of the Commissioner of Crown Lands changed to Report of the Minister of Lands and Mines.
 - 1906 Report of Minister of Lands and Mines changed to Report of Minister of Lands, Forests and Mines.
 - 1907 Faculty of Forestry created at University of Toronto.
 - 1908 St. Williams Forest Station established.
 - 1909 Quetico Park established.
 - 1910 Lumbermen assessed for full cost of maintaining
-17 fire rangers on limits.
 - 1912 Forestry Branch created under direction of E. J. Zavitz.
 - 1913 First Annual Report for Forestry Branch submitted by E. J. Zavitz as Director.
 - 1917 Forest Fires Prevention Act provides basis of system whereby timber licensees and pulp concessionaires pay flat rate for fire protection. The Fire Permit system established to control slash burning. White Pine Blister Rust Conference held in Pittsburgh, Pa., U.S.A.
- Position of Provincial Forester created under E. J. Zavitz. Fire ranging service transferred from Woods and Forests Branch to Provincial Forester.

- 1918 Province divided into four Inspectorates. Thirty-four Chief Ranger Districts established.
- 1920 Department of Lands and Forests created (Mines as separate Department). Timber Commission appointed to report on administration of timber resources. Rondeau Park transferred from Public Works.
- First air patrols carried out as a measure of forest protection.
- 1921 Department presented first exhibit at Canadian National Exhibition; was praised by Governor General.
- 1922 Georgian Bay, Algonquin and Trent Forest Districts established under technical foresters within former Southern Inspectorate. Midhurst and Orono Forest Stations established. First County Forest was started in Simcoe; twelve Township Forests started.
- 1923 New Inspectorate established at Sault Ste. Marie. Central and Northern Inspectorates named Sudbury and Cochrane, respectively. Angus Seed Plant established.
- 1924 Provincial Air Service established. Provincial Land Tax and Pulpwood Conservation Acts enacted. Transplant nursery established at Kemptville.
- 1925 New Inspectorate established at Oba.
- 1926 E. J. Zavitz appointed Deputy Minister of Forestry. Radio used in Forestry Branch operations.

New Inspectorates of Hudson and North Bay established.

- 1927 New Inspectorate established at Kenora. Western (Port Arthur) under Forest Supervisor. Cochrane under Fire Inspector. Hudson (Sioux Lookout), Kenora, Oba, Sault Ste. Marie, Sudbury, North Bay, Georgian Bay (Parry Sound), Algonquin (Pembroke) and Trent (Tweed) administered by technical foresters as District Foresters.

- 1930 Western Inspectorate named Port Arthur, administered by District Forester. Oba headquarters moved to Kapuskasing.
- 1932 Twelfth Inspectorate established as Rainy River under District Forester at Fort Frances.
- 1933 Inspectorates changed to Districts. Chief Ranger Districts changed to Chief Ranger Divisions.
- 1934 Fire Ranging and Forest Ranging combined.
- 1935 All twelve Districts are administered by District Foresters. Hudson and Oba Districts named Sioux Lookout and Kapuskasing, respectively.
- 1936 Rainy River, Georgian Bay and Trent Districts are named Fort Frances, Parry Sound and Tweed, respectively.
- 1937 Public Lands Act provides for recreation, deals with sale of summer resort lands, etc. Pulpwood Conservation and Land Surveyors Acts amended.
- 1938 Crown Timber Act amended. Counties Reforestation Act amended.
- 1939 Department divided into eight Head Office Branches: Main Office, Lands, Forestry, Forests (Woods), Accounts, Surveys, Land Tax and Patents. Select committee appointed to report on all matters pertaining to administration of Lands and Forests. Organization of Resources Act given Royal assent.
- 1940 Abitibi Power and Paper Company Moratorium Act passed. Northern Development, Provincial Land Tax, Railway Fire Charge and Surveys Acts amended.
- 1941 Broad re-organization of Department of Lands and Forests. Establishment of ten Head Office Divisions: Accounts, Air Service, Forest Protection, Lands and Recreational Areas, Research, Surveys, Timber Management, Reforestation, Operation and Personnel, and Law (formerly a Branch).

Thirteen Districts divided into five Regions; named Southern, Central, Kapuskasing, Thunder Bay and Western in the following year. New District of Geraldton on temporary basis.

Southern Ontario divided into six Zones under Zone Foresters of whom five were appointed.

Land Agencies incorporated in Districts.

- 1943 Geraldton District established.
Forest Ranger School at Dorset established.
- 1946 Department of Game and Fisheries amalgamated with Lands and Forests as Division of Fish and Wildlife.

Two new Regions and seven new Districts created: South-Western with three new Districts: Lake Erie, Lake Huron and Lake Simcoe; South-Eastern with Quinte (formerly Tweed) and two new Districts: Rideau and Trent; South-Central with Algonquin and Parry Sound; Central with North Bay, Sudbury, Sault Ste. Marie and two new Districts: Chapleau and Gogama; Northern with Kapuskasing and Cochrane; Mid-Western with Port Arthur and Geraldton; and Western with Sioux Lookout, Kenora and Fort Frances.

Kemptville and Thunder Bay (Fort William) Forest Stations established. Forest Resources Inventory organizations created. Tree Conservation Act passed.

- 1947 Temiskaming District established (Northern Region).
- 1947 The Forest Management Act of 1947 provided for the submission of Management Plans by timber and pulpwood licensees for the operation of concession areas on a sustained yield basis.
- 1949 White River District established (Central Region), the 22nd District.
- 1951 Division of Law abolished. Legal affairs directed by Departmental Solicitor.
- 1952 The Crown Timber Act of April 9th, 1952, consolidated and replaced eight previous Acts to enable the practice of sound forest management. Effective on April 1st, 1953, it standardized and simplified timber licences, and defined and prohibited wasteful practices, setting penalties for the wastage of merchantable wood. It also covered scaling, mill licences, provincial forests and the appointment of the Advisory Committee to the Minister.

- 1953 Quinte, Trent, Algonquin and Temiskaming Districts named Tweed, Lindsay, Pembroke and Swastika Districts, respectively.
- 1954 Provincial Parks Act passed. Divisions of Parks, Lands and Law created. Division of Lands and Recreational Areas abolished.
- 1954 By March 31st, 1953, all districts had been divided into Management Units to be managed for sustained yield. Within the following fiscal year, the number increased from a total of 69 to 87 Crown Units and 36 Company Units, all held responsible for Management Plans. Within Crown Units, licensees holding 50 square miles or more were held responsible for Management Plans to be co-ordinated with Unit plans.
- 1956 Rideau District named Kemptville District.
- 1957 Department re-organized. Two Assistant Deputy Ministers and two Regional Directors appointed.

Divisions of Timber Management and Reforestation become Timber and Reforestation Branches in the Division of Timber.

Divisions of Forest Protection and Air Service become Forest Protection and Air Service Branches in the Division of Forest Protection.

Divisions of Surveys and Engineering and Lands become Surveys and Lands Branches in the Division of Surveys.

Division of Operation and Personnel becomes Division of Operations and a separate Personnel Section. Division of Law becomes a separate Law Section.

Total: Eight Divisions and two Sections.

- 1958 The Forest Resources Inventory, begun in 1946, was completed, and the first of the annual inventories was started to keep the Inventory up to date.
- 1959 Silviculture becomes the third Branch in Division of Timber.

MEMORANDUM

MEMORANDUM

MEMORANDUM

CAJON
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Government
Publications

A

STATISTICAL
REFERENCE
OF
LANDS AND FORESTS
ADMINISTRATION
1961



DEPARTMENT OF LANDS AND FORESTS

HON. J. W. SPOONER
Minister

F. A. MACDOUGALL
Deputy Minister

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FOREWORD

This statistical record is based mainly on information published in Annual Reports of the Minister of Lands and Forests and presented here in a more convenient form for ready reference.

The statistics on forest fires and Provincial Parks include preliminary reports on the 1960 season and are subject to correction in the Annual Report for the year ending March 31st, 1961.

Premiers of Ontario Since Confederation

| | From | To |
|---------------------------------------|---------------|----------------|
| Hon. John Sandfield Macdonald..... | July 16, 1867 | Dec. 19, 1871 |
| Hon. E. Blake..... | Dec. 20, 1871 | Oct. 25, 1872 |
| Hon. Sir Oliver Mowat.. | Oct. 25, 1872 | July 9, 1896 |
| Hon. A. S. Hardy..... | July 25, 1896 | Oct. 17, 1899 |
| Hon. George W. Ross... | Oct. 21, 1899 | Feb. 7, 1905 |
| Hon. Sir J. P. Whitney.. | Feb. 8, 1905 | Sept. 25, 1914 |
| Hon. Sir Wm. Howard Hearst..... | Oct. 2, 1914 | Nov. 14, 1919 |
| Hon. Ernest Chas. Drury | Nov. 14, 1919 | July 16, 1923 |
| Hon. G. H. Ferguson.... | July 16, 1923 | Dec. 15, 1930 |
| Hon. G. S. Henry..... | Dec. 15, 1930 | July 10, 1934 |
| Hon. Mitchell F. Hepburn | July 10, 1934 | Aug. 21, 1942 |
| Hon. G. D. Conant..... | Oct. 21, 1942 | May 18, 1943 |
| Hon. H. C. Nixon..... | May 18, 1943 | Aug. 17, 1943 |
| Hon. George A. Drew... | Aug. 17, 1943 | Oct. 19, 1948 |
| Hon. Thomas L. Kennedy | Oct. 19, 1948 | May 4, 1949 |
| Hon. Leslie M. Frost.... | May 4, 1949 | ..... |

Commissioners and Ministers Since 1827

| | | |
|---------------------------|---------------|----------------|
| Hon. Peter Robinson.... | July 17, 1827 | July 14, 1836 |
| Hon. R. B. Sullivan..... | July 14, 1836 | June 30, 1841 |
| Hon. John Davidson.... | July 23, 1841 | Oct. 12, 1842 |
| Hon. A. N. Morin..... | Oct. 13, 1842 | Dec. 11, 1843 |
| Hon. D. B. Papineau.... | Sept. 3, 1844 | Dec. 7, 1847 |
| Sir John A. MacDonald.. | Dec. 8, 1847 | Mar. 10, 1848 |
| Hon. J. H. Price..... | Mar. 11, 1848 | Oct. 27, 1851 |
| Hon. John Rolph..... | Oct. 28, 1851 | Aug. 17, 1853 |
| Hon. Louis V. Sicotte.... | Aug. 17, 1853 | Aug. 26, 1853 |
| Hon. A. N. Morin..... | Aug. 31, 1853 | Jan. 26, 1855 |
| Hon. Jos. Cauchon..... | Jan. 27, 1855 | April 30, 1857 |
| Sir E. P. Tache..... | June 16, 1857 | Nov. 24, 1857 |
| Hon. Louis V. Sicotte.... | Nov. 25, 1857 | Aug. 1, 1858 |
| Sir. A. A. Dorion..... | Aug. 2, 1858 | Aug. 6, 1858 |
| Hon. P. M. Vankoughnet | Aug. 7, 1858 | Mar. 18, 1862 |
| Hon. George Sherwood.. | Mar. 27, 1862 | May 23, 1862 |
| Hon. Wm. McDougall... | May 24, 1862 | Mar. 29, 1864 |
| Sir Alex. Campbell..... | Mar. 30, 1864 | June 30, 1867 |
| Hon. Stephen Richards.. | July 1, 1867 | July 25, 1871 |
| Sir Matthew C. Cameron. | July 25, 1871 | Dec. 21, 1871 |
| Sir Richard W. Scott..... | Dec. 21, 1871 | Nov. 30, 1873 |
| Hon. Timothy B. Pardee.. | Dec. 4, 1873 | Jan. 19, 1889 |
| Hon. Arthur S. Hardy.... | Jan. 19, 1889 | July 21, 1896 |
| Sir John M. Gibson..... | July 21, 1896 | Oct. 21, 1899 |
| Hon. E. J. Davis..... | Oct. 21, 1899 | Nov. 22, 1904 |
| Hon. A. G. McKay..... | Nov. 22, 1904 | Feb. 8, 1905 |
| Hon. J. J. Foy..... | Feb. 8, 1905 | May 13, 1905 |
| Hon. F. Cochrane..... | May 13, 1905 | Oct. 11, 1911 |
| Sir William Hearst..... | Oct. 12, 1911 | Dec. 22, 1914 |
| Hon. G. H. Ferguson.... | Dec. 22, 1914 | Nov. 13, 1919 |
| Hon. B. Bowman..... | Nov. 14, 1919 | July 11, 1923 |
| Hon. Jas. Lyons..... | July 16, 1923 | Feb. 28, 1926 |
| Hon. G. H. Ferguson.... | Feb. 28, 1926 | Oct. 18, 1926 |
| Hon. Wm. Finlayson.... | Oct. 18, 1926 | July 10, 1934 |
| Hon. Peter Heenan..... | July 10, 1934 | May 27, 1941 |
| Hon. N. O. Hipel..... | May 27, 1941 | Aug. 17, 1943 |
| Hon. W. G. Thompson.. | Aug. 17, 1943 | Nov. 28, 1946 |
| Hon. H. R. Scott..... | Nov. 28, 1946 | June 3, 1952 |
| Hon. W. S. Gemmell.... | June 3, 1952 | July 7, 1954 |
| Hon. C. E. Mapledoram.. | July 7, 1954 | July 4, 1958 |
| Hon. J. W. Spooner..... | July 23, 1958 | ..... |

Deputy Ministers Since Confederation

| | |
|-----------|-------------------|
| 1867..... | ANDREW RUSSELL |
| 1868..... | ANDREW RUSSELL |
| 1869..... | THOMAS H. JOHNSON |
| 1887..... | AUBREY WHITE |
| 1915..... | ALBERT GRIGG |
| 1921..... | WALTER CAIN |
| 1941..... | FRANK MACDOUGALL |

AUBREY WHITE was first appointed to the staff as Crown Lands Agent for part of Muskoka, on April 30, 1878, at \$500 per annum. He was a practical man who knew the bush and the country, and he was appointed Clerk in the Woods and Forest Branch, January 1, 1882, at \$1,700 per annum. Mr. Johnson died in January, 1887, and Mr. White was appointed in his stead. Mr. White's recommendations led to the first forest fire protection organization in 1885.

ALBERT GRIGG was a former Member of the Legislative Assembly from Bruce Mines, who resigned in 1921. He was an ardent dry and has been perennial mayor of Bruce Mines for many years. Pioneer stock.

WALTER CAIN was appointed Clerk in the Lands Branch by the Hon. Elihu J. Davis. He taught school, worked in saw mills and took his B.A. at Varsity while employed. After Mr. Grigg resigned, Mr. Cain was appointed acting Deputy and later confirmed in the position. He was in his day one of the Canadian Greats on the lacrosse field. Superannuated in 1941, he died in 1954.

FRANK MACDOUGALL started at the bottom. After excellent service in the Canadian Army during the 1914-1918 war he served on the temporary staff, took his degree as a Forest Engineer at Varsity, was appointed to the permanent staff, May 15, 1923, became District Forester at Sault Ste. Marie, Superintendent of Algonquin Park, obtained pilot's license, undertook special investigations, and was appointed Deputy Minister in 1941. He headed the reorganization activities of the succeeding years.

ACCOUNTS BRANCH

Accounts Branch is charged with the responsibility of accounting for the entire Department, the collection of revenue and the payment of all expenditures. It is responsible for the administration of The Provincial Land Tax Act and (since the inclusion of the former Department of Game and Fisheries) the issuing of fish and wildlife licences. Other responsibilities include the preparation of budgets, financial reports, compilation of payrolls and issuing of park permits.

Accounts Branch was re-organized in 1942 under the direction of J. G. McMillen. Accounting methods and procedures were modernized and mechanized to provide a complete internal control of the Department's revenue and expenditures.

R. R. MacBean was appointed Chief of Accounts Branch on January 1st, 1956.

The following tables indicate the tremendous growth of the Department across the years and the resulting increase in accounting requirements.

ACCOUNTS BRANCH

Chief: R. R. MACBEAN

Assistant Chief: F. M. BAKER

Internal Audit

Internal Auditor: S. E. Neundorf
Internal Audit and Field Inspections

Systems and Procedures

Supervisor: Vacant

Land Tax Administration

Supervisor: A. C. Molloy
Assessments, Appeals, Addressograph

Revenue Accounting

Supervisor: Vacant
Cash Receiving, Accounts Receivable,
Issue of Fish and Wildlife Licenses,
Park Permits, Timber Accounts, Land Sales

Expenditure and General Accounting

Supervisor: Vacant
Payrolls, Accounts Payable, Accounting
Machine Operations, - Special Accounting
Assignments

Budget and Special Accounting

Supervisor: E. K. Pukacz
Budget Estimates and Forecasts,
Financial Reports

Other Staff

Secretarial
Department Mail Services
Field Office Trainees

DEPARTMENT OF LANDS AND FORESTS **Revenue and Expenditures in Years Ending 31st March**

| | REVENUE | | EXPENDITURE | | BALANCE |
|--------------|---------------------|-----------------|------------------|-----------------|-----------------|
| | ORDINARY | CAPITAL | ORDINARY | CAPITAL | |
| 1934..... | 2,327,784.94 | 54,752.73 | 2,297,076.46 | 388,422.87 | 302,961.66(1) |
| 1935(3)..... | 860,909.93 | 34,906.89 | 632,683.96 | 97,656.24 | 165,476.62 |
| 1936..... | 3,476,648.75 | 88,939.50 | 1,737,940.93 | 306,569.88 | 1,521,077.44 |
| 1937..... | 3,757,125.17 | 60,922.65 | 2,336,151.40 | 443,491.73 | 1,038,404.69 |
| 1938..... | 4,692,016.08 | 54,921.78 | 2,233,253.64 | 363,507.42 | 2,150,176.80 |
| 1939..... | 5,557,901.17 | 61,152.15 | 2,790,491.27 | 407,079.83 | 2,421,482.22 |
| 1940..... | 4,629,579.91 | 76,545.53 | 2,698,570.83 | 397,331.81 | 1,610,222.80 |
| 1941..... | 6,077,439.09 | 59,124.04 | 2,637,270.83 | 330,059.75 | 3,170,020.55 |
| 1942..... | 6,287,161.43 | 37,339.68 | 2,910,615.37 | 320,502.77 | 3,093,382.97 |
| 1943..... | 6,964,338.05 | 69,275.28 | 4,672,688.46 | 3,029.42 | 2,957,895.45 |
| 1944..... | 6,567,183.32 | 130,524.24 | 3,610,850.90 | 4,574.92 | 3,082,281.74 |
| 1945..... | 6,436,259.97 | 155,219.01 | 4,210,648.47 | 341.95 | 2,380,489.46 |
| 1946..... | 8,321,551.84 | 193,061.14 | 4,839,821.50 | 8,234.30 | 3,666,557.18 |
| 1947..... | 10,366,281.93 | 261,865.96 | 7,043,267.18 | 116,523.23 | 3,468,357.48 |
| 1948..... | 10,456,251.70 | 215,151.77 | 7,598,611.94 | ..... | 3,083,791.53 |
| 1949..... | 11,410,352.16 | 215,884.90 | 11,400,801.97 | ..... | 234,435.09 |
| 1950..... | 10,921,652.37 | 677,603.32 | 9,913,520.62 | 4,623,339.12 | 2,934,604.05(1) |
| 1951..... | 10,962,465.72 | 5,351,437.91 | 9,840,796.17 | 3,326,822.18 | 3,149,885.28 |
| 1952..... | 14,602,165.18 | 3,222,682.07 | 10,681,717.01 | 2,196,671.93 | 4,949,208.31 |
| 1953..... | 20,621,374.56 | 2,513,325.57(4) | 11,486,280.94 | 1,654,781.54(4) | 10,006,812.65 |
| 1954..... | 18,156,762.00 | 1,810,672.96 | 12,608,258.47 | 803,000.00 | 6,559,176.49 |
| 1955..... | 19,146,974.96 | 178,810.09 | 12,716,508.33 | 178,810.09 | 6,430,466.63 |
| 1956..... | 19,823,049.47 | 328,056.86 | 17,148,523.65 | 128,297.23 | 2,874,285.45 |
| 1957..... | 20,881,873.91 | 367,501.40 | 16,037,678.39 | 187,935.36 | 5,023,761.56 |
| 1958..... | 22,189,712.48 | 490,717.96 | 18,733,582.62 | 280,550.13 | 3,666,297.69 |
| 1959..... | 19,512,132.50(5a&b) | 725,375.25 | 20,259,829.63 | 4,167,468.40(6) | 4,189,790.28(1) |
| 1960..... | 18,627,418.14(5a) | 817,560.60 | 23,029,901.12(6) | 991,622.60 | 4,575,944.98(1) |

(1) Operating Deficit Years 1931-47 include former Department of Game and Fisheries.

(4) Mississippi Salvage Project. (5a) Reflects cut-back in Woods Operation of previous years.

(5b) Water Power Revenue transferred to Treasury Department. (6) Park Improvement Projects.

(3) Five-month year

CASH RECEIPTS (In Years Ending 31st March)

| | Crown Land Leases and Licenses of Occupation | Water Power Leases | Crown Land Sales | Provincial Land Tax | Fees, Maps, etc. | Flying Fees | Re-forestation | Forest Protection |
|-------------|--|--------------------|------------------|---------------------|------------------|-------------|----------------|-------------------|
| 1932..... | 275,230.38 | * | 140,016.47 | 119,728.08 | 1,710.13 | ..... | ..... | 993.56 |
| 1933..... | 352,814.60 | * | 69,437.28 | 119,135.06 | 1,811.51 | ..... | ..... | ..... |
| 1934..... | 352,549.54 | * | 72,825.37 | 131,447.74 | 1,788.99 | ..... | 7,046.97 | 35,297.65 |
| 1935**..... | 107,202.87 | * | 28,471.94 | 107,301.57 | 567.23 | 13,181.73 | 3,863.47 | 7,723.96 |
| 1936..... | 440,489.75 | * | 65,128.21 | 131,928.13 | 1,411.77 | 54,131.33 | 8,568.26 | 23,376.30 |
| 1937..... | 48,254.57 | 377,412.80 | 80,380.93 | 178,621.85 | 1,973.26 | 19,212.96 | 9,742.67 | 23,294.96 |
| 1938..... | 51,072.60 | 427,874.00 | 70,248.55 | 234,761.42 | 2,137.50 | 11,643.18 | 8,890.46 | 23,193.24 |
| 1939..... | 60,053.31 | 406,019.17 | 75,212.06 | 129,178.01 | 2,386.96 | 6,680.04 | 4,253.89 | 28,889.28 |
| 1940..... | 65,845.86 | 402,529.44 | 94,947.38 | 133,935.87 | 1,987.47 | 4,270.05 | 5,334.99 | 38,222.77 |
| 1941..... | 67,200.44 | 571,351.76 | 53,820.61 | 169,608.77 | 2,247.14 | 5,794.32 | 5,643.14 | 38,506.02 |
| 1942..... | 68,435.03 | 628,691.25 | 41,960.84 | 146,801.88 | 3,461.64 | 10,902.02 | 5,833.50 | 40,183.09 |
| 1943..... | 61,910.54 | 648,484.87 | 69,162.08 | 146,013.91 | 3,191.91 | 6,945.96 | 8,453.36 | 28,669.50 |
| 1944..... | 99,265.07 | 618,901.26 | 118,745.26 | 158,744.95 | 2,924.52 | 19,448.31 | 26,137.92 | 22,916.40 |
| 1945..... | 84,215.20 | 609,425.12 | 155,219.01 | 175,341.55 | 4,913.34 | 12,416.85 | 10,558.66 | 26,850.25 |
| 1946..... | 87,285.38 | 654,978.77 | 193,061.14 | 209,459.44 | 9,047.68 | 25,284.13 | 19,386.47 | 30,942.78 |
| 1947..... | 95,445.89 | 680,568.56 | 261,865.96 | 204,474.57 | 11,070.65 | 15,258.36 | 25,373.17 | 46,401.74 |
| 1948..... | 104,918.41 | 694,859.07 | 215,151.77 | 185,470.29 | 13,825.05 | 8,376.00 | 25,562.25 | 53,229.92 |
| 1949..... | 113,554.42 | 759,569.67 | 215,884.90 | 217,520.66 | 17,225.04 | 6,373.00 | 1,684.71 | 48,330.64 |
| 1950..... | 112,061.86 | 811,663.96 | 217,442.25 | 242,292.14 | 18,778.07 | 10,733.90 | 153.35 | 70,706.89 |
| 1951..... | 120,468.42 | 827,937.46 | 188,444.32 | 322,660.63 | 19,092.24 | 13,407.45 | 60.40 | 38,975.29 |
| 1952..... | 119,562.29 | 1,101,125.17 | 186,225.03 | 367,695.92 | 21,773.97 | 16,710.03 | ..... | 55,473.15 |
| 1953..... | 140,248.29 | 1,293,570.18 | 197,367.94 | 393,236.04 | 22,722.55 | 11,720.41 | 128,220.21 | 30,140.84 |
| 1954..... | 165,642.85 | 1,672,735.49 | 184,427.52 | 562,722.77 | 23,545.76 | 16,360.82 | 157,891.72 | 46,268.74 |
| 1955..... | 178,749.02 | 1,539,686.19 | 212,985.32 | 644,960.82 | 30,660.01 | 16,724.19 | 216,246.77 | 46,487.37 |
| 1956..... | 199,833.92 | 1,530,748.10 | 295,056.86 | 687,296.11 | 39,579.23 | 15,267.05 | 174,278.65 | 98,384.51 |
| 1957..... | 235,570.84 | 1,553,862.70 | 309,313.63 | 776,789.46 | 59,633.73 | 12,792.93 | 160,244.40 | 96,064.82 |
| 1958..... | 264,851.96 | 1,626,974.92 | 358,426.76 | 810,465.62 | 62,225.41 | 13,392.59 | 146,173.44 | 76,874.63 |
| 1959..... | 280,859.77 | ** | 551,088.38 | 1,114,637.82 | 84,023.85 | 20,825.75 | 160,130.77 | 103,223.87 |
| 1960..... | 298,705.60 | ..... | 607,537.84 | 1,133,878.92 | 87,940.72 | 32,235.79 | 160,361.84 | 94,636.78 |

*Included in receipts from Crown Land Leases and Licenses of Occupation.

Five-month Year. *Taken over by Treasury Department.

TIMBER BRANCH

Analysis of Cash Receipts in Years ending 31st March

| | Timber Dues and Bonus | Ground Rent | Fire Tax | Other Receipts | Total Receipts |
|--------------------------|--------------------------|-------------|---------------|----------------|----------------|
| 1932..... | 1,759,711.11 | 73,801.07 | 270,515.42(1) | 1,480.25 | 2,105,507.85 |
| 1933..... | 961,119.91 | 72,337.36 | 275,355.95(1) | 771.01 | 1,309,584.23 |
| 1934..... | 1,111,095.31 | 95,733.43 | 296,241.83 | 32,132.32 | 1,815,462.54 |
| 1935 (5 Mos.)..... | 359,018.34 | 6,764.61 | 280,259.65(1) | 898.00 | 376,576.80 |
| 1936..... | 2,070,654.87 | 76,730.34 | 9,895.85(1) | 2,433.18 | 2,570,245.95 |
| 1937..... | 2,180,583.48 | 104,692.15 | 140,142.52(1) | 45,508.22 | 2,804,643.20 |
| 1938..... | 2,928,504.94 | 88,163.13 | 473,859.35(1) | 4,751.21 | 3,437,563.96 |
| 1939..... | 3,351,304.55 | 76,282.39 | 416,144.68(1) | 74,939.24 | 3,912,072.51 |
| 1940..... | 2,300,307.53 | 88,036.46 | 409,546.33 | 47,146.57 | 2,863,761.71 |
| 1941..... | 3,404,708.57 | 136,626.71 | 428,271.15 | 68,379.73 | 4,153,237.20 |
| 1942..... | 3,695,167.49 | 79,370.11 | 543,522.19 | 71,461.64 | 4,122,576.50 |
| 1943 (Not Analysed)..... | ..... | ..... | 276,577.26 | ..... | 4,982,281.03 |
| 1944 (Not Analysed)..... | ..... | ..... | ..... | ..... | 4,561,733.49 |
| 1945..... | 3,606,191.54 | 117,396.26 | 436,395.41 | 81,597.79 | 4,241,581.00 |
| 1946..... | 4,947,915.12 | 115,299.49 | 419,322.89 | 72,243.81 | 5,554,781.31 |
| 1947..... | 6,175,443.93 | 125,060.70 | 461,163.51 | 182,436.25 | 6,944,104.39 |
| 1948..... | 6,093,409.64 | 126,875.25 | 456,443.81 | 178,302.28 | 6,855,030.98 |
| 1949..... | 6,899,106.93 | 108,934.25 | 440,010.56 | 115,761.63(2) | 7,332,290.11 |
| 1950..... | 6,146,884.32 | 112,139.00 | 485,313.46 | 44,898.26 | 6,789,235.04 |
| 1951..... | 5,269,278.71 | 116,641.52 | 1,007,661.97 | 67,521.04 | 6,461,103.24 |
| 1952..... | 8,324,529.10 | 114,196.50 | 1,010,554.47 | 51,585.03 | 9,500,865.10 |
| 1953..... | 13,718,338.94 | 123,366.41 | 1,175,775.93 | 100,219.59 | 15,117,700.87 |
| 1954..... | 10,225,154.88 | 79,831.50 | 1,052,634.61 | 8,839.38 | 11,396,460.37 |
| 1955..... | 10,854,113.77 | 76,019.46 | 945,953.21 | 71,591.78 | 11,927,678.22 |
| 1956..... | 11,667,002.82 | 76,234.00 | 971,517.29 | 8,023.81(2) | 12,706,730.30 |
| 1957..... | 12,332,778.27 | 80,786.20 | 1,091,659.16 | 51,344.11 | 13,556,567.74 |
| 1958..... | 13,333,502.64 | 81,098.00 | 1,041,836.51 | 25,428.76(2) | 14,431,008.39 |
| 1959..... | 11,382,444.87 | 84,468.00 | 1,085,027.40 | 31,939.91(2) | 12,520,000.36 |
| 1960..... | 10,381,269.76(3) | 82,455.00 | 1,057,803.78 | 43,793.81 | 11,565,322.35 |

(1) Applied as Refund to Expenditure on Forest Ranging.

(2) Refund of Deposits in Excess of Cash Receipts.

(3) Cut-back in Woods Operations.

FISH AND WILDLIFE BRANCH **Analysis of Cash Receipts in Years ending 31st March**

| | Moose Licenses | Trapping Licenses & Royalty | Fur Dealers, Fur Farmers, Tanners & Cold Storage Licenses | Tourist Outfitters Licenses | Other | Total |
|---------------------------|-------------------|-----------------------------------|--|-----------------------------------|------------|--------------|
| 1932..... | 6,242.50 | 130,574.08 | 37,758.00 | ..... | 37,991.46 | 613,784.70 |
| 1933..... | 5,219.50 | 117,053.57 | 38,078.10 | ..... | 27,485.85 | 571,657.35 |
| 1934..... | 3,162.50 | 121,685.90 | 36,785.50 | ..... | 21,366.17 | 544,738.47 |
| 1935 ⁽¹⁾ | 2,194.50 | 48,378.05 | 20,341.00 | ..... | 11,185.50 | 258,348.04 |
| 1936..... | 2,728.00 | 139,199.55 | 34,405.00 | ..... | 30,722.94 | 683,938.72 |
| 1937..... | 2,981.00 | 109,201.95 | 37,395.50 | 4,950.00 | 41,982.24 | 785,466.39 |
| 1938..... | 3,179.00 | 92,800.30 | 36,473.25 | 5,790.00 | 42,078.37 | 868,480.89 |
| 1939..... | 2,574.00 | 100,330.05 | 31,904.75 | 6,855.00 | 71,543.52 | 914,475.24 |
| 1940..... | 2,733.50 | 156,292.70 | 35,297.50 | 7,445.00 | 61,725.85 | 1,015,350.82 |
| 1941..... | 2,948.00 | 137,394.68 | 36,298.50 | 7,345.00 | 69,897.04 | 984,800.69 |
| 1942..... | 3,278.00 | 175,815.10 | 36,117.00 | 7,840.00 | 68,531.47 | 1,183,269.29 |
| 1943..... | 4,372.50 | 161,634.60 | 32,877.00 | 6,565.00 | 52,557.11 | 962,350.89 |
| 1944..... | 4,697.00 | 195,286.20 | 36,853.00 | 5,990.00 | 60,419.40 | 975,072.60 |
| 1945..... | 4,812.50 | 247,562.30 | 37,263.00 | 6,510.00 | 73,009.67 | 1,193,033.72 |
| 1946..... | 7,051.00 | 277,768.10 | 44,509.00 | 8,435.00 | 109,234.28 | 1,651,165.66 |
| 1947..... | 9,316.45 | 274,138.90 | 43,162.00 | 7,290.00 | 112,611.55 | 2,248,200.65 |
| 1948..... | 11,878.25 | 206,514.45 | 41,251.00 | 10,872.25 | 87,190.62 | 2,431,533.42 |
| 1949..... | 16,787.39 | 328,171.15 | 38,911.00 | 13,897.50 | 96,118.41 | 2,827,773.93 |
| 1950..... | 352.21 | 293,426.32 | 34,449.15 | 16,192.76 | 95,619.17 | 2,790,710.82 |
| 1951..... | ..... | 321,697.57 | 32,606.03 | 16,339.87 | 101,944.22 | 3,082,091.40 |
| 1952..... | ..... | 341,663.82 | 29,633.97 | 21,234.44 | 104,564.63 | 3,341,179.88 |
| 1953..... | 33,487.00 | 398,604.16 | 27,098.00 | 18,120.83 | 106,937.77 | 3,409,915.18 |
| 1954..... | 52,464.00 | 353,005.27 | 21,873.00 | 20,455.00 | 131,846.65 | 3,800,735.42 |
| 1955..... | 73,460.00 | 343,220.21 | 22,783.10 | 17,401.94 | 158,906.45 | 3,989,255.62 |
| 1956..... | 90,040.00 | 317,051.99 | 20,309.00 | 19,419.44 | 152,730.39 | 4,154,714.41 |
| 1957..... | 134,210.00 | 272,951.95 | 17,425.00 | 20,470.56 | 158,060.16 | 4,205,827.22 |
| 1958..... | 173,650.00 | 277,800.15 | 15,963.00 | 23,560.00 | 159,068.07 | 4,434,531.48 |
| 1959..... | 244,664.00 | 268,275.99 | 9,083.00 ⁽⁴⁾ | 16,290.00 ⁽²⁾ | 157,354.61 | 4,439,823.77 |
| 1960..... | 215,032.75 | 252,001.35 ⁽⁵⁾ | 9,234.25 | ..... | 163,571.10 | 4,622,206.79 |

(1) Five-month year.
(2) Revenue covers 9 months taken over by Travel and Publicity Department—January 1959.
(3) Royalty Decrease
(4) Fees reduced.
(5) Revenue for Years 1931-1947 inclusive from Department of Game and Fisheries.

FISH AND WILDLIFE BRANCH Analysis of Cash Receipts in Years ending 31st March

| | Commercial | | | | Non-Res. Hunting Licenses | Deer Licenses |
|--------------|---------------------|------------------------------------|-----------------|------------|---------------------------------|------------------|
| | Angling Licenses | Fishing Licenses and Royalty | Gun Licenses | | | |
| 1932..... | 136,077.35 | 106,996.21 | 46,764.00 | 46,420.00 | 64,961.10 | |
| 1933..... | 121,981.18 | 100,740.85 | 75,760.80 | 35,080.00 | 50,257.50 | |
| 1934..... | 128,472.22 | 100,988.68 | 59,214.25 | 25,799.55 | 47,263.70 | |
| 1935(I)..... | 7,338.85 | 50,345.57 | 39,564.72 | 30,315.45 | 48,684.40 | |
| 1936..... | 200,641.65 | 96,981.60 | 69,635.93 | 53,080.00 | 56,544.05 | |
| 1937..... | 272,690.50 | 111,450.44 | 71,526.01 | 73,937.50 | 59,351.25 | |
| 1938..... | 331,430.45 | 114,258.61 | 77,780.81 | 92,370.00 | 72,320.10 | |
| 1939..... | 339,450.05 | 102,087.87 | 95,788.45 | 80,415.00 | 83,526.55 | |
| 1940..... | 391,504.00 | 98,998.09 | 94,882.18 | 84,590.00 | 81,882.00 | |
| 1941..... | 384,675.00 | 97,980.22 | 86,527.85 | 84,265.00 | 77,469.40 | |
| 1942..... | 476,519.95 | 98,110.03 | 97,768.84 | 124,365.00 | 94,923.90 | |
| 1943..... | 306,263.85 | 84,507.32 | 102,244.96 | 93,245.00 | 118,083.55 | |
| 1944..... | 288,685.00 | 103,143.45 | 75,152.65 | 89,450.00 | 115,395.90 | |
| 1945..... | 412,073.30 | 99,818.61 | 79,389.64 | 115,590.00 | 117,004.70 | |
| 1946..... | 605,320.60 | 103,104.97 | 110,252.51 | 218,855.00 | 166,635.20 | |
| 1947..... | 1,000,866.37 | 109,472.85 | 132,906.53 | 361,887.20 | 196,548.80 | |
| 1948..... | 1,156,904.16 | 110,704.94 | 146,601.42 | 453,789.53 | 205,826.80 | |
| 1949..... | 1,350,500.93 | 116,597.30 | 160,378.15 | 468,705.05 | 237,707.05 | |
| 1950..... | 1,450,180.46 | 115,344.46 | 178,016.26 | 364,921.85 | 242,208.18 | |
| 1951..... | 1,637,775.06 | 121,688.19 | 183,669.56 | 401,490.40 | 264,880.50 | |
| 1952..... | 1,868,745.89 | 135,254.98 | 205,882.29 | 340,254.90 | 293,944.96 | |
| 1953..... | 1,949,891.58 | 140,050.77 | 230,147.23 | 156,913.31 | 348,664.53 | |
| 1954..... | 2,086,074.01 | 112,853.57 | 218,887.59 | 447,365.61 | 355,910.72 | |
| 1955..... | 2,204,667.51 | 116,794.69 | 234,296.34 | 453,643.44 | 364,081.94 | |
| 1956..... | 2,279,335.59 | 106,779.72 | 250,758.18 | 513,088.28 | 405,200.92 | |
| 1957..... | 2,294,761.04 | 117,265.92 | 244,431.38 | 545,979.18 | 400,272.03 | |
| 1958..... | 2,431,976.75 | 105,666.72 | 267,922.15 | 563,004.32 | 415,920.32 | |
| 1959..... | 2,337,425.23 | 95,726.71(3) | 292,712.93 | 588,851.80 | 459,439.50 | |
| 1960..... | 2,399,612.20 | 90,827.24(3) | 294,127.62 | 698,967.67 | 468,832.61 | |

(1) Five-month year. (2) Decrease in royalty caused by fluctuation in catch, whitefish having dropped heavily.
Revenue for Years 1931-1947 inclusive, from Department of Game and Fisheries.

PROVINCIAL PARKS (1)

Analysis of Cash Receipts in Years Ending 31st March

| Year | Algonquin Rentals | Rondeau Rentals | Total Rentals | Vehicle Permits | Boat Permits | Campers' Permits | Hunting Fees | Non-Res. Guide Permits | Misc. | Total |
|--------------|----------------------|--------------------|------------------|--------------------|-----------------|---------------------|-----------------|------------------------------|-----------|------------|
| 1932..... | 4,348.89 | 9,739.99 | 19,393.00 | ..... | ..... | ..... | ..... | ..... | 15,286.35 | 34,679.35 |
| 1933..... | 5,123.36 | 9,286.26 | 21,567.79 | ..... | ..... | ..... | ..... | ..... | 9,934.19 | 31,501.98 |
| 1934..... | 5,289.81 | 9,057.73 | 23,366.61 | ..... | ..... | ..... | ..... | ..... | 16,504.65 | 39,871.26 |
| 1935(2)..... | 2,912.33 | 1,423.43 | 6,955.31 | ..... | ..... | ..... | ..... | ..... | 5,565.23 | 12,520.54 |
| 1936..... | 5,059.21 | 10,078.06 | 24,116.88 | ..... | ..... | ..... | ..... | ..... | 28,154.29 | 52,271.17 |
| 1937..... | 6,920.20 | 9,729.26 | 25,364.91 | ..... | ..... | ..... | ..... | ..... | 31,062.64 | 56,427.55 |
| 1938..... | 6,858.92 | 9,637.23 | 27,329.53 | ..... | ..... | ..... | ..... | ..... | 35,609.89 | 62,939.42 |
| 1939..... | 8,161.76 | 8,779.56 | 26,337.06 | ..... | ..... | ..... | ..... | ..... | 32,915.52 | 59,252.58 |
| 1940..... | 7,259.77 | 10,307.55 | 27,510.36 | ..... | ..... | ..... | ..... | ..... | 31,087.88 | 58,598.24 |
| 1941..... | 8,250.63 | 9,805.42 | 27,378.58 | ..... | ..... | ..... | ..... | ..... | 25,825.09 | 53,203.67 |
| 1942..... | 7,837.88 | 10,193.39 | 27,101.13 | ..... | ..... | ..... | ..... | ..... | 27,500.77 | 54,601.90 |
| 1943..... | 4,931.03 | 9,236.07 | 18,975.18 | ..... | ..... | ..... | ..... | ..... | 23,731.10 | 42,706.28 |
| 1944..... | 9,258.04 | 10,086.14 | 27,844.46 | ..... | ..... | ..... | ..... | ..... | 24,704.21 | 52,548.67 |
| 1945..... | 7,399.31 | 10,695.44 | 23,699.15 | ..... | ..... | ..... | ..... | ..... | 24,491.79 | 48,190.94 |
| 1946..... | 8,494.15 | 11,665.83 | 23,943.43 | ..... | ..... | ..... | ..... | ..... | 27,981.17 | 51,924.60 |
| 1947..... | 9,355.82 | 12,950.03 | 25,813.88 | ..... | ..... | ..... | ..... | ..... | 39,863.58 | 65,677.46 |
| 1948..... | 9,344.59 | 14,118.11 | 28,583.80 | ..... | ..... | ..... | ..... | ..... | 28,083.36 | 56,667.16 |
| 1949..... | 13,932.15 | 22,007.79 | 38,292.13 | ..... | ..... | ..... | ..... | ..... | 24,174.99 | 62,467.12 |
| 1950..... | 13,636.73 | 15,305.09 | 31,704.41 | ..... | ..... | ..... | ..... | ..... | 20,530.35 | 52,234.76 |
| 1951..... | 15,088.80 | 15,656.96 | 32,302.53 | ..... | ..... | ..... | ..... | ..... | 21,357.95 | 53,660.48 |
| 1952..... | 14,512.29 | 16,476.83 | 32,021.18 | ..... | ..... | ..... | ..... | ..... | 22,943.18 | 54,964.36 |
| 1953..... | 14,648.91 | 17,267.89 | 33,108.18 | ..... | ..... | ..... | ..... | ..... | 19,254.41 | 52,362.59 |
| 1954..... | 18,675.88 | 19,196.58 | 39,459.71 | ..... | ..... | ..... | ..... | ..... | 12,724.46 | 52,184.17 |
| 1955..... | 17,474.13 | 22,187.79 | 42,822.27 | ..... | ..... | ..... | ..... | ..... | 13,412.76 | 56,235.03 |
| 1956..... | 19,349.43 | 22,210.24 | 42,611.67 | ..... | ..... | ..... | ..... | ..... | 34,376.58 | 76,988.25 |
| 1957..... | 13,979.14 | 21,833.80 | 64,799.79 | ..... | 2,287.00 | 45,612.75 | 2,484.00 | 2,350.00 | 5,887.12 | 123,420.66 |
| 1958..... | 14,572.09 | 21,013.24 | 51,066.48 | 148,488.20 | 1,662.00 | 78,462.25 | 2,825.00 | 2,175.00 | 10,720.90 | 295,399.83 |
| 1959..... | 23,221.85 | 23,539.23 | 62,127.92 | 207,751.00 | 2,022.00 | 124,137.05 | 2,999.00 | 2,775.00 | 19,384.83 | 421,196.80 |
| 1960..... | 15,222.43 | 18,062.65 | 87,964.66 | 292,459.00 | 2,424.00 | 206,148.25 | 3,492.00 | 2,525.00 | 17,115.01 | 612,127.92 |

(1) Under Parks Branch since 1956.

(2) Five-month year.

FISH AND WILDLIFE BRANCH

Though game and fish resources were of considerable concern to the Commissioner of Crown Lands during the period when Upper and Lower Canada were united, they had not the significance that they attained when the Department of Game and Fisheries was formed under different departments from time to time until the annual report for 1888-89 intimated that the control and management of fisheries was placed under the Crown Lands Department. In the following year the game laws were amended and in 1897 the Commissioner reported that the fishing service had been transferred to the Attorney General.

The Department of Game and Fisheries developed until 1946 when it was included as a Division of the Department of Lands and Forests, becoming a Branch in 1959.

Appointed Chief of the new Division, the late Dr. W. J. K. Harkness, a widely recognized authority, introduced many of the modern principles of fish and wildlife management.

Dr. C. H. D. Clarke was appointed Acting Chief of the Branch on September 1st, 1960.

FISH AND WILDLIFE BRANCH

Acting Chief: C. H. D. CLARKE

Wildlife Section

Supervisor: D. N. Omand

Game Management
Fur Management
Field Services

Fisheries Section

Supervisor: H. H. MacKay

Game Fisheries and Hatcheries
Commercial Fisheries

Special Staff

Chief's Clerical Staff

Departmental Consultant
Accounts and Staff Records
Reports, Publications and Laboratory

BOUNTIES PAID IN YEARS ENDING 31st MARCH

BEAR BOUNTY

WOLF BOUNTY

| Year | BEAR BOUNTY | | | WOLF BOUNTY | | | | |
|-----------|----------------------------------|------------------------------|-------------------------|-------------|-------|------|-------|-------------------------|
| | 12 mts. and over \$10 each | Under 12 mts. \$5 each | Total Amount Paid | Timber | Brush | Pups | Total | Total Amount Paid |
| 1943..... | .... | .... | ..... | 935 | 497 | 32 | 1,464 | \$33,607 |
| 1944..... | .... | .... | ..... | 1,302 | 731 | 32 | 2,065 | 45,546 |
| 1945..... | .... | .... | ..... | 1,321 | 665 | 12 | 1,998 | 45,994 |
| 1946..... | .... | .... | ..... | 1,266 | 777 | 30 | 2,073 | 45,000 |
| 1947..... | 959 | 73 | \$9,735 | 1,440 | 1,182 | 42 | 2,664 | 59,275 |
| 1948..... | 509 | 17 | 5,095 | 1,515 | 961 | 74 | 2,540 | 54,923 |
| 1949..... | 592 | 67 | 6,035 | 1,581 | 1,062 | 84 | 2,727 | 57,977 |
| 1950..... | 803 | 122 | 8,530 | 1,613 | 890 | 41 | 2,544 | 56,927 |
| 1951..... | 453 | 47 | 4,645 | 1,405 | 651 | 44 | 2,100 | 46,457 |
| 1952..... | 408 | 29 | 4,180 | 1,198 | 634 | 63 | 1,895 | 41,803 |
| 1953..... | 662 | 57 | 6,805 | 1,313 | 739 | 68 | 2,120 | 46,550 |
| 1954..... | 947 | 145 | 10,000 | 1,101 | 720 | 70 | 1,891 | 41,853 |
| 1955..... | 1,126 | 99 | 11,590 | 1,075 | 620 | 41 | 1,736 | 38,703 |
| 1956..... | 614 | 50 | 6,310 | 1,088 | 559 | 28 | 1,675 | 37,550 |
| 1957..... | 611 | 50 | 6,225 | 1,195 | 486 | 71 | 1,752 | 38,950 |
| 1958..... | 1,568 | 300 | 16,930 | 1,047 | 574 | 34 | 1,655 | 37,255 |
| 1959..... | 1,084 | 116 | 11,145 | 1,169 | 606 | 49 | 1,824 | 41,589 |
| 1960..... | 697 | 139 | 7,590 | 939 | 528 | 42 | 1,509 | 33,619 |

REVENUE RECEIVED FROM PELTS EXPORTED OR TANNED IN YEARS ENDING 30th JUNE

| Year | NUMBER OF PELTS | | | ROYALTY ON WILD PELTS | | |
|-----------|------------------|-----------------|---------|-----------------------|-----------------|--------------|
| | Export Beaver | Total Export | Tanners | Export Beaver | Total Export | Tanners |
| 1947..... | 45,847 | 762,998 | 214,636 | \$ 91,694.00 | \$ 188,560.40 | \$ 23,229.30 |
| 1948..... | 20,083 | 862,700 | 294,017 | 40,166.00 | ..... | ..... |
| 1949..... | 74,253 | 940,378 | 271,167 | 148,506.00 | 238,073.05 | 27,156.25 |
| 1950..... | 65,600 | 909,079 | 181,723 | 131,200.00 | 219,948.80 | 18,074.95 |
| 1951..... | 81,845 | 814,447 | 149,340 | 163,690.00 | 241,937.60 | 15,492.75 |
| 1952..... | 105,503 | 922,868 | 188,847 | 211,006.00 | 300,321.05 | 19,556.35 |
| 1953..... | 122,287 | 998,713 | 256,476 | 185,103.00 | 300,798.80 | 26,313.75 |
| 1954..... | 105,071 | 908,990 | 240,441 | 157,635.50 | 268,822.90 | 25,430.15 |
| 1955..... | 134,729 | 941,348 | 325,947 | 135,919.50 | 242,489.95 | 34,794.90 |
| 1956..... | 112,663 | 769,027 | 190,566 | 112,663.00 | 196,956.25 | 20,766.50 |
| 1957..... | 111,278 | 788,370 | 248,613 | 111,278.00 | 194,339.80 | 27,596.25 |
| 1958..... | 140,930 | 879,316 | 149,779 | 140,930.00 | 224,921.35 | 9,407.05 |
| 1959..... | 119,684 | 830,538 | 112,564 | 119,684.00 | 195,586.05 | 8,352.70 |
| 1960..... | 109,757 | 821,980 | 106,374 | 109,757.00 | 188,562.25 | 6,950.15 |

PELTS EXPORTED OR TANNED IN YEARS ENDING 30th JUNE

VALUE OF PELTS

NUMBER OF PELTS

| Year | NUMBER OF PELTS | | | Total | VALUE OF PELTS | | |
|-----------|-----------------|---------|---------|-----------|----------------|----------------|----------------|
| | Wild | Ranch | Total | | Wild | Ranch | Total |
| 1947..... | 876,204 | 73,770 | 101,430 | 977,634 | \$4,966,209.43 | \$2,262,888.38 | \$7,229,097.81 |
| 1948..... | 1,001,249 | 125,829 | 155,468 | 1,156,717 | 4,040,846.67 | 2,346,038.61 | 6,386,885.28 |
| 1949..... | 1,046,628 | 143,358 | 164,917 | 1,211,545 | 5,187,075.19 | 1,647,044.38 | 6,834,119.57 |
| 1950..... | 931,890 | 143,513 | 158,912 | 1,090,802 | 4,248,297.37 | 2,165,232.63 | 6,413,530.00 |
| 1951..... | 811,579 | 142,570 | 152,208 | 963,787 | 4,582,900.62 | 3,101,559.30 | 7,684,459.92 |
| 1952..... | 959,431 | 144,436 | 152,284 | 1,111,715 | 3,656,919.00 | 2,355,226.00 | 6,012,145.00 |
| 1953..... | 1,098,286 | 152,760 | 156,903 | 1,255,189 | 3,868,812.40 | 2,171,784.00 | 6,040,596.40 |
| 1954..... | 1,016,672 | 131,192 | 132,759 | 1,149,431 | 2,682,762.00 | 1,905,518.15 | 4,588,280.15 |
| 1955..... | 1,107,530 | 158,662 | 159,765 | 1,267,295 | 4,284,902.19 | 2,942,968.00 | 7,227,870.19 |
| 1956..... | 786,608 | 171,723 | 172,985 | 959,593 | 2,989,521.74 | 4,129,555.00 | 7,119,076.74 |
| 1957..... | 788,666 | 247,998 | 248,317 | 1,036,983 | 2,575,808.67 | 2,978,209.00 | 5,554,017.67 |
| 1958..... | 791,165 | 237,172 | 237,930 | 1,029,095 | 2,713,427.01 | 3,943,119.20 | 6,656,546.21 |
| 1959..... | 680,189 | 262,788 | 262,913 | 943,102 | 2,445,202.55 | 3,969,223.80 | 6,414,426.35 |
| 1960..... | 641,093 | 286,845 | 287,265 | 928,358 | 2,831,173.59 | 4,446,097.50 | 7,277,271.09 |

FUR RETURNS BY ONTARIO GAME MANAGEMENT DISTRICTS IN YEARS ENDING 30th JUNE *

NUMBER OF TRAPPERS

| Year | Reg. | Res. | Farm | Total | Beaver | Fisher | Arc. Fox | Col. Fox | Lynx | Marten | Mink | Muskrat | Otter | Raccoon | Skunk | Squirrel | Weasel | Wolf | Wlv. | *** |
|------|-------|-------|------|--------|---------|--------|-------------|-------------|-------|--------|--------|---------|-------|---------|-------|----------|--------|------|------|-----|
| 1949 | .... | .... | ... | 4,326 | 46,208 | 1,027 | 39 | 2,783 | 409 | 120 | 19,867 | 172,219 | 3,276 | 129 | 77 | 209 | 20,544 | 178 | 24 | |
| 1950 | .... | .... | ... | 4,917 | 62,717 | 310 | 14 | 1,727 | 389 | 48 | 30,750 | 146,145 | 3,488 | 66 | 169 | .... | 44,463 | 399 | 13 | |
| 1951 | 4,957 | 6,422 | ... | 11,379 | 81,790 | 662 | 139 | 3,341 | 415 | 1,045 | 31,323 | 408,662 | 6,137 | 6,667 | 4,538 | 4,121 | 32,002 | 650 | 8 | |
| 1952 | 4,965 | 6,656 | ... | 11,641 | 99,391 | 2,081 | 198 | 4,871 | 251 | 1,529 | 27,704 | 567,565 | 5,259 | 10,905 | 5,747 | 5,598 | 13,129 | 538 | 14 | |
| 1953 | 5,054 | 6,434 | 844 | 12,332 | 109,260 | 2,414 | 54 | 5,784 | 1,216 | 2,210 | 28,904 | 671,642 | 6,410 | 9,874 | 5,749 | 16,077 | 23,727 | 613 | 255 | |
| 1954 | 4,965 | 6,059 | 890 | 11,914 | 91,484 | 2,335 | 685 | 4,604 | 1,464 | 2,767 | 30,264 | 607,645 | 6,203 | 10,669 | 2,506 | 14,256 | 23,816 | 563 | 25 | |
| 1955 | 4,929 | 6,406 | 975 | 12,310 | 115,439 | 2,915 | 98 | 2,879 | 1,547 | 3,587 | 29,520 | 640,865 | 6,224 | 9,641 | 1,879 | 16,133 | 28,813 | 501 | ... | |
| 1956 | 4,693 | 5,761 | 547 | 11,001 | 98,084 | 3,046 | 163 | 2,619 | 891 | 2,909 | 27,510 | 400,111 | 6,401 | 13,135 | 819 | 13,861 | 20,190 | 445 | ... | |
| 1957 | 4,471 | 4,776 | 282 | 9,529 | 93,065 | 1,822 | 60 | 1,253 | 657 | 4,092 | 30,069 | 443,153 | 5,325 | 19,551 | 1,105 | 19,440 | 17,981 | 560 | ... | |
| 1958 | .... | .... | ... | 8,604 | 126,986 | 2,737 | 128 | 2,031 | 1,114 | 5,707 | 41,837 | 446,578 | 7,293 | 9,596 | 2,019 | 14,778 | 16,410 | 300 | ... | |
| 1959 | .... | .... | ... | 7,826 | 101,984 | 2,091 | 302 | 1,858 | 1,891 | 4,091 | 37,185 | 337,936 | 5,754 | 4,200 | 572 | 11,330 | 11,626 | 495 | ... | |
| 1960 | .... | .... | ... | 8,657 | 91,844 | 2,585 | 85 | 1,188 | 3,487 | 5,624 | 38,100 | 320,287 | 4,746 | 10,580 | 389 | 9,255 | 12,472 | 296 | ... | |

*Management began in 1947.

**Lynx includes Bob Cat.

***Wolverine includes Bear.

BREEDING STOCK ON LICENSED FUR FARMS AT 1st JANUARY

| | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 |
|----------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| Fox | | | | | | | | | | | | | |
| Blue..... | 1,276 | 1,450 | 385 | 256 | 200 | 75 | 56 | 68 | 70 | 81 | 56 | 57 | 83 |
| Cross..... | 36 | 23 | 11 | 10 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | ..... | ..... |
| Pearl Platinum..... | 378 | 368 | 565 | 476 | 449 | 349 | 294 | 230 | 251 | 155 | 119 | ..... | ..... |
| Platinum..... | 3,133 | 2,437 | 1,549 | 903 | 559 | 267 | 159 | 136 | 136 | 108 | 105 | 186 | 232 |
| Red..... | 94 | 38 | 23 | 30 | 11 | 6 | 1 | 3 | 4 | 6 | 7 | 12 | 13 |
| Standard Silver..... | 9,400 | 6,654 | 5,016 | 3,391 | 2,813 | 1,567 | 760 | 583 | 456 | 239 | 166 | 150 | 178 |
| White Marked..... | 3,184 | 1,691 | 931 | 385 | 226 | 111 | 50 | 26 | 16 | 9 | 6 | ..... | ..... |
| TOTAL..... | 17,501 | 12,661 | 8,480 | 5,451 | 4,260 | 2,375 | 1,321 | 1,047 | 934 | 599 | 460 | 405 | 506 |
| Mink | | | | | | | | | | | | | |
| Standard and Dark | | | | | | | | | | | | | |
| Half-Blood..... | ..... | ..... | ..... | ..... | ..... | 40,691 | 27,727 | 22,315 | 21,693 | 20,841 | 14,812 | ..... | ..... |
| Pastel..... | ..... | ..... | ..... | ..... | ..... | 12,381 | 16,926 | 22,869 | 29,100 | 40,368 | 42,063 | ..... | ..... |
| Silverblu..... | ..... | ..... | ..... | ..... | ..... | 15,798 | 17,710 | 20,443 | 21,053 | 21,125 | 24,072 | ..... | ..... |
| Other Mink..... | ..... | ..... | ..... | ..... | ..... | 4,665 | 7,797 | 9,713 | 13,486 | 19,387 | 28,989 | ..... | ..... |
| TOTAL..... | 72,992 | 75,192 | 71,139 | 67,943 | 73,034 | 73,535 | 70,160 | 75,340 | 85,332 | 101,721 | 109,936 | 119,299 | 130,294 |
| Other Animals | | | | | | | | | | | | | |
| Beaver..... | 45 | 70 | 71 | 56 | 22 | 16 | 15 | 26 | 16 | 1 | 1 | 1 | 1 |
| Fisher..... | 45 | 46 | 26 | 23 | 21 | 13 | 10 | 9 | 11 | 12 | 12 | 8 | 2 |
| Lynx..... | 1 | 1 | 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Marten..... | 28 | 35 | 35 | 43 | 35 | 36 | 54 | 62 | 70 | 81 | 85 | 76 | 89 |
| Muskrat..... | 92 | 65 | 55 | 125 | 99 | 192 | 264 | 707 | 82 | 62 | 54 | 47 | ..... |
| Raccoon..... | 127 | 97 | 94 | 76 | 46 | 47 | 68 | 57 | 47 | 43 | 43 | 33 | 24 |
| Skunk..... | 2 | 1 | 5 | 4 | 6 | 2 | ..... | ..... | ..... | 5 | 5 | 3 | 3 |
| NO. OF FARMS.... | 1,735 | 1,650 | 1,382 | 1,078 | 914 | 769 | 631 | 549 | 529 | 542 | 520 | 513 | 496 |

HUNTING AND ANGLING LICENCES SOLD IN YEARS ENDING 31st DECEMBER

| Year | DEER HUNTING | | | MOOSE HUNTING | | | SMALL GAME | | BEAR & WOLF | TOTAL HUNTING | | ANGLING | |
|-----------|--------------|----------|---------|---------------|----------|--------|------------|----------|-------------|---------------|----------|----------|----------|
| | Resident | Non-Res. | Total | Resident | Non-Res. | Total | Resident | Non-Res. | | Resident | Non-Res. | Resident | Non-Res. |
| | | | | | | | | | | | | | |
| 1944..... | 38,654 | 2,385 | 41,039 | 875 | 653 | 1,528 | 92,847 | 1,949 | 181 | 132,376 | 5,168 | ..... | 89,291 |
| 1945..... | 53,930 | 4,430 | 58,360 | 1,282 | 1,426 | 2,708 | — | 131,468 | 314 | 186,680 | 9,451 | ..... | 126,367 |
| 1946..... | 62,913 | 7,877 | 70,790 | 1,694 | 1,230 | 2,924 | 155,309 | 4,666 | 783 | 219,916 | 14,556 | ..... | 171,400 |
| 1947..... | 67,299 | 11,193 | 78,492 | 2,270 | 1,516 | 3,786 | 171,098 | 3,620 | 548 | 240,667 | 16,877 | ..... | 196,785 |
| 1948..... | 73,700 | 11,300 | 85,000 | 3,000 | 1,700 | 4,700 | 186,060 | 3,200 | 1,600 | 262,760 | 17,800 | 3,730 | 224,898 |
| 1949..... | 76,274 | 12,050 | 88,324 | * | * | * | 205,706 | 3,300 | 1,176 | 281,980 | 16,526 | 4,434 | 240,278 |
| 1950..... | 84,380 | 12,440 | 96,820 | * | * | * | 213,594 | 5,620 | 1,127 | 297,974 | 19,187 | 5,110 | 237,191 |
| 1951..... | 89,290 | 10,400 | 99,690 | 1,400 | * | 1,400 | 240,040 | 4,960 | 1,120 | 330,730 | 16,480 | 4,785 | 272,180 |
| 1952..... | 96,790 | **870 | 97,660 | 3,620 | * | 3,620 | 268,444 | 5,400 | 3,060 | 368,854 | 9,330 | 4,695 | 287,997 |
| 1953..... | 92,785 | 8,300 | 101,085 | 5,196 | 637 | 5,833 | 256,341 | 3,810 | 2,490 | 354,322 | 15,237 | 4,712 | 308,500 |
| 1954..... | 92,800 | 10,400 | 103,200 | 7,500 | 730 | 8,230 | 284,000 | 5,300 | 1,520 | 384,300 | 17,950 | 6,400 | 366,150 |
| 1955..... | 105,150 | 8,050 | 113,200 | 9,000 | 990 | 9,990 | 318,000 | 6,010 | 1,750 | 432,150 | 16,800 | 6,450 | 377,220 |
| 1956..... | 98,079 | 7,426 | 105,505 | 13,441 | 1,521 | 14,962 | 316,778 | 5,905 | 2,031 | 428,298 | 16,883 | 12,624 | 376,000 |
| 1957..... | 106,620 | 6,743 | 113,363 | 17,367 | 1,890 | 19,257 | 341,838 | 6,092 | 2,703 | 465,825 | 17,428 | 15,806 | 397,435 |
| 1958..... | 109,322 | 6,044 | 115,366 | 22,688 | 2,362 | 25,050 | 377,589 | 5,503 | 4,803 | 509,599 | 18,712 | 18,678 | 380,036 |
| 1959..... | 102,960 | 5,988 | 109,948 | 26,349 | 3,431 | 29,780 | 378,666 | 6,243 | 4,089 | 507,975 | 19,751 | 22,005 | 389,811 |

*Closed Season.

**U.S.A. Ban on importation of Cloven-Hoofed Animals.

PROSECUTIONS IN YEARS ENDING 31st MARCH

| Year | SEIZURES | | Public Sale of Seized Equipment | Total Sales and Redemptions | Convic- tions | Cases Dis- missed | Cases With- drawn | Total | Collected Costs | Collected Fines |
|-----------|----------|-------|---------------------------------------|-----------------------------------|------------------|-------------------------|-------------------------|-------|--------------------|--------------------|
| | Firearms | Total | | | | | | | | |
| 1947..... | 976 | 1,844 | ..... | \$37,201.91 | 2,040 | 85 | 4 | 2,129 | \$1,216.45 | \$44,266.85 |
| 1948..... | ..... | ..... | \$ 4,700.00 | ..... | 2,880 | 114 | 44 | 3,038 | ..... | ..... |
| 1949..... | 1,292 | 2,015 | 15,514.84 | 16,742.15 | 2,302 | 106 | 193 | 2,601 | 1,452.50 | 46,947.00 |
| 1950..... | 1,434 | 2,697 | 7,053.27 | 17,222.31 | 2,704 | 102 | 140 | 2,946 | 1,746.25 | 45,807.70 |
| 1951..... | 1,413 | 2,619 | 9,750.66 | 21,534.28 | 2,728 | 116 | 86 | 2,930 | 1,507.25 | 47,622.41 |
| 1952..... | 1,488 | 2,763 | 9,422.30 | 23,847.23 | 2,862 | 108 | 70 | 3,040 | 1,475.65 | 48,334.70 |
| 1953..... | 1,438 | 2,872 | ..... | 23,633.14 | 2,880 | 114 | 44 | 3,038 | 1,387.44 | 50,460.25 |
| 1954..... | 1,727 | 2,975 | ..... | 25,157.03 | 3,052 | 85 | 76 | 3,213 | 1,442.18 | 47,715.42 |
| 1955..... | 1,498 | 3,005 | 9,239.15 | 27,008.80 | 3,102 | 102 | 80 | 3,284 | 1,274.20 | 52,087.64 |
| 1956..... | 1,602 | 2,929 | 7,414.34 | 23,212.66 | 2,967 | 87 | 125 | 3,179 | 1,280.65 | 44,444.33 |
| 1957..... | 1,510 | 2,751 | 9,389.40 | 24,595.98 | 2,620 | 93 | 50 | 2,965 | 1,204.36 | 43,895.10 |
| 1958..... | 1,678 | 2,996 | 9,391.97 | 24,319.62 | 3,040 | 76 | 38 | 3,154 | 1,601.61 | 47,443.05 |
| 1959..... | 1,495 | 2,472 | 10,396.79 | 25,018.31 | 2,460 | 74 | 55 | 2,589 | 1,183.15 | 42,875.98 |
| 1960..... | 1,324 | 2,290 | 9,235.90 | 20,612.25 | 2,198 | 80 | 40 | 2,318 | 1,185.50 | 45,135.93 |

ACTIVITIES OF PHEASANT HUNTING PRESERVES, 1959-60

| District | Number of Licensed Preserves | Total Purchases | Number of Birds Released | Totals of Birds Removed by Hunters | Total Number of Hunters on Preserves | Stock on Hand as of March 31, 1960 |
|------------------|------------------------------------|--------------------|-----------------------------|--|--|--|
| Maple..... | 1 | 3,637 | 6,218 | 4,326 | 1,086 | ..... |
| Aylmer..... | 9 | 1,676 | 2,813 | 1,528 | 495 | 1,801 |
| Hespeler..... | 6 | 7,513 | 7,470 | 6,749 | 355 | 173 |
| Lindsay..... | 2 | ..... | 558 | 268 | 67 | 335 |
| Tweed..... | 3 | 321 | 2,973 | 1,768 | 179 | 362 |
| Parry Sound..... | 1 | ..... | 614 | 419 | 104 | 110 |
| TOTAL..... | 22 | 13,147 | 20,646 | 15,058 | 2,286 | 2,781 |

ACTIVITIES OF COMMERCIAL PHEASANT FARMS—1959-60

| District | Number of Licensed Farms | Sales of Dressed Birds | Sales of Eggs | Sales of Birds 7 weeks of Age and Under | Sales of Live Adult Birds† | Balance on Hand as of March 31, 1960 |
|-------------------|--------------------------------|------------------------------|---------------|---|-------------------------------|--|
| Aylmer..... | 21 | 2,084 | 9,568 | 3,577 | 3,086 | 2,056 |
| Hespeler..... | 38 | 3,060 | 232 | 7,027 | 2,302 | 1,324 |
| Maple..... | 32 | 9,382 | 4,090 | 3,222 | 2,678 | 925 |
| Lindsay..... | 8 | 236 | 395 | 552 | 581 | 271 |
| Parry Sound..... | 1 | 499 | ..... | 606 | 24 | 110 |
| Sudbury..... | 3 | 293 | ..... | ..... | 450 | 230 |
| Tweed..... | 11 | 924 | 74 | 197 | 158 | 514 |
| Kemptville..... | 6 | 119 | 252 | 50 | 63 | 85 |
| TOTAL..... | 120 | 16,597 | 14,611 | 15,231 | 9,342 | 5,515 |

DISTRIBUTION OF HATCHERY FISH IN YEARS ENDING 31st DECEMBER (IN 000's)

| SPECIES | *1949 | *1950 | *1951 | *1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 |
|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BLACK BASS, Large mouth. | | | | | | | | | | | |
| Fry..... | 550 | 550 | 826 | 544 | 330 | 720 | 282 | 360 | 190 | 46 | 45 |
| Fingerling..... | 16 | 53 | 145 | 97 | 328 | 279 | 343 | 122 | 129 | 63 | 46 |
| Yearling and Adult..... | .... | .... | 1 | 1 | 1 | .... | 4 | 1 | 3 | 1 | .... |
| BLACK BASS, Small mouth. | | | | | | | | | | | |
| Fry..... | 1,533 | 1,506 | 935 | 358 | 720 | 820 | 209 | 803 | 468 | 130 | 89 |
| Fingerling..... | 398 | 346 | 402 | 385 | 623 | 452 | 529 | 369 | 132 | 133 | 227 |
| Yearling and Adult..... | 7 | 9 | 14 | 15 | 18 | 14 | 25 | 19 | 1 | 5 | .... |
| BLUEGILLS | | | | | | | | | | | |
| Fingerling..... | .... | .... | .... | .... | .... | .... | 2 | .... | .... | .... | .... |
| Adult..... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| CHARR, French Alpine. | | | | | | | | | | | |
| Fingerling..... | .... | .... | .... | .... | .... | .... | .... | 21 | .... | .... | .... |
| Yearling..... | .... | .... | .... | .... | .... | 1 | .... | .... | .... | 2 | .... |
| Adult..... | .... | .... | .... | .... | .... | .... | .... | .... | .... | 5 | .... |
| CHARR, Pennsylvania. | | | | | | | | | | | |
| Fingerling..... | .... | .... | .... | .... | .... | .... | 2 | .... | .... | .... | .... |
| GRAYLING, Arctic. | | | | | | | | | | | |
| Yearling..... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | 26 |
| HERRING | | | | | | | | | | | |
| Eggs..... | .... | .... | .... | .... | .... | 900 | 398 | .... | 1,840 | .... | 1,068 |
| Fry..... | 8,400 | 5,100 | 8,100 | 1,100 | 3,600 | 2,717 | 3,400 | 350 | .... | .... | .... |
| MASKINONGE | | | | | | | | | | | |
| Fry..... | 2,750 | 3,350 | 2,360 | 3,750 | 2,740 | 3,550 | 3,712 | 3,610 | 2,430 | 2,940 | 4,070 |
| Fingerling..... | 38 | 30 | 22 | 62 | 43 | 40 | 51 | 74 | 39 | 18 | 50 |
| Adult..... | .... | .... | .... | .... | .... | .... | .... | .... | 1 | 1 | .... |

| | | | | | | | | | | | | | |
|------------------|---------|---------|---------|---------|---------|-------|---------|--------|---------|--------|--------|--------|------|
| OUANANICHE | | | | | | | | | | | | | |
| Fingerling..... | 1 | .... | .... | .... | .... | .... | .... | .... | .... | 1 | .... | .... | .... |
| Yearling..... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | 11 | .... | .... |
| Adult..... | .... | .... | .... | .... | .... | 2 | .... | .... | .... | .... | .... | .... | .... |
| PERCH | | | | | | | | | | | | | |
| Fry..... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| PICKEREL | | | | | | | | | | | | | |
| Eggs..... | .... | .... | .... | .... | .... | .... | 227,000 | 91,800 | 138,805 | 90,565 | 56,245 | 30,875 | .... |
| Fry..... | 312,900 | 160,200 | 234,610 | 176,285 | 270,975 | 6,000 | .... | 8,310 | .... | .... | .... | 3,040 | .... |
| Fingerling..... | .... | .... | .... | .... | .... | .... | .... | .... | .... | 3 | .... | .... | .... |
| Adult..... | .... | .... | .... | .... | 2 | 1 | .... | .... | .... | .... | .... | .... | .... |
| SALMON, Atlantic | | | | | | | | | | | | | |
| Fingerling..... | 112 | .... | .... | 72 | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| SALMON, Chum. | | | | | | | | | | | | | |
| Eggs..... | .... | .... | .... | .... | .... | .... | .... | 423 | .... | .... | .... | .... | .... |
| Fingerling..... | .... | .... | .... | .... | .... | .... | .... | 449 | .... | .... | .... | .... | .... |
| SALMON, Pink. | | | | | | | | | | | | | |
| Eggs..... | .... | .... | .... | .... | .... | .... | .... | .... | 513 | .... | .... | .... | .... |
| Fingerling..... | .... | .... | .... | .... | .... | .... | .... | .... | 224 | .... | .... | .... | .... |
| SPLAKE | | | | | | | | | | | | | |
| Fingerling..... | .... | .... | .... | .... | 25 | .... | .... | .... | .... | 16 | .... | .... | .... |
| Yearling..... | .... | .... | .... | .... | .... | 17 | .... | 10 | 8 | 16 | 208 | 135 | .... |
| Adult..... | .... | .... | .... | .... | .... | 2 | .... | .... | .... | .... | .... | 1 | .... |
| TROUT, Aurora. | | | | | | | | | | | | | |
| Fingerling..... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | 2 | .... |
| TROUT, Brown | | | | | | | | | | | | | |
| Eggs..... | 10 | 10 | .... | .... | .... | .... | .... | .... | .... | 8 | .... | .... | .... |
| Fingerling..... | 175 | 307 | 283 | 108 | 92 | 100 | .... | 101 | 29 | 36 | 22 | .... | .... |
| Yearling..... | 222 | 85 | 55 | 140 | 103 | 178 | .... | 234 | 151 | 170 | 133 | 193 | .... |
| Adult..... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |

DISTRIBUTION OF HATCHERY FISH IN YEARS ENDING 31st DECEMBER (IN 000's)—Cont'd

| SPECIES | *1949 | *1950 | *1951 | *1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 |
|------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| TROUT, Kamloops | | | | | | | | | | | |
| Eggs..... | ..... | ..... | ..... | ..... | ..... | 2** | 2** | 10 | 13 | 26 | 20 |
| Fry..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 10 | ..... |
| Fingerling..... | 2 | ..... | ..... | 1 | ..... | 1** | 3** | ..... | 32 | 15 | 20 |
| Yearling..... | 32 | 52 | 35 | 73 | 108 | 141** | 83** | 78 | 123 | 95 | 95 |
| Adult..... | ..... | ..... | ..... | ..... | ..... | ..... | 1** | ..... | ..... | 32 | 1 |
| TROUT, Lake | | | | | | | | | | | |
| Eggs..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 12 | ..... | ..... | 40 |
| Fry..... | 1,000 | 1,450 | 1,775 | 1,849 | 250 | ..... | 28 | 10 | ..... | ..... | 274 |
| Fingerling..... | 5,562 | 4,489 | 3,147 | 3,499 | 6,985 | 2,606 | 2,612 | 736 | 230 | 374 | ..... |
| Yearling..... | 81 | 55 | 134 | 231 | 172 | 415 | 241 | 320 | 39 | 832 | 634 |
| Adult..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 9 | ..... |
| TROUT, Rainbow | | | | | | | | | | | |
| Fingerling..... | ..... | ..... | 10 | 2 | 25 | ..... | ** | ..... | ..... | ..... | ..... |
| Yearling..... | ..... | ..... | ..... | ..... | 1 | ..... | ** | ..... | ..... | ..... | ..... |
| TROUT, Speckled | | | | | | | | | | | |
| Eggs..... | ..... | ..... | ..... | ..... | ..... | 720 | 50 | ..... | 200 | ..... | 580 |
| Fry..... | 16 | ..... | ..... | ..... | ..... | ..... | ..... | 35 | 91 | ..... | ..... |
| Fingerling..... | 1,475 | 1,005 | 945 | 537 | 1,963 | 166 | 842 | 1,332 | 522 | 789 | 455 |
| Yearling..... | 2,938 | 3,141 | 3,087 | 2,721 | 3,251 | 2,056 | 1,991 | 2,092 | 2,677 | 2,079 | 1,807 |
| Legal Size..... | 2 | 8 | 12 | 19 | 14 | 4 | 16 | 19 | 10 | 10 | 84 |
| WHITEFISH | | | | | | | | | | | |
| Eggs..... | ..... | ..... | ..... | ..... | ..... | 42,665 | 67,165 | 51,178 | 13,435 | 30,940 | 1,000 |
| Fry..... | 245,150 | 235,200 | 121,185 | 200,400 | 186,700 | 139,210 | 102,950 | 11,130 | 67,275 | 47,515 | 44,985 |
| TOTAL..... | | | | | | | | | | | |
| | 583,369 | 416,946 | 378,080 | 392,272 | 479,069 | 430,780 | 286,267 | 212,410 | 180,704 | 142,682 | 89,880 |

*Figures for 1947-1952 Compiled on Fiscal Year Basis. **Rainbow Trout Included in Kamloops Trout Plantings.

PRODUCTION OF PROVINCIAL FISH HATCHERIES IN 1959

| HATCHERY | Speckled Trout | Lake Trout | Kamloops Trout | Brown Trout | Largemouth Bass | Smallmouth Bass | Maskinonge | Whitefish | Pickarel | Splake |
|-----------------------|----------------|------------|----------------|-------------|-----------------|-----------------|------------|-------------|-------------|----------|
| Chatsworth TRS..... | 111,200Y | 27,200Y | 5,000Fg | 102,300Y | | | | | | |
| Codrington TRS..... | 24,870Y | 10,000Y | 27,000Y | 26,640Y | | | | | | |
| Deer Lake..... | 15,000Y | | | | | | 4,070,000F | | | |
| Dorion TRS..... | 195,200Fg | 256,590Y | 80Y | | | | | | | |
| | 580,000E | | | | | | | | | |
| | 816A | | | | | | | | | |
| Hill Lake TRS..... | 15,875Y | 40,400Y | 14,517F | | | | | | | |
| | 5,800Fg | | 5,066Y | | | | | | | |
| | 235,499Y | | | | | | | | | |
| | 50,401T | | | | | | | | | |
| | 5,189A | | | | | | | | | |
| Kearna..... | 50,000Fg | 23,100Fg | | | | | | | 24,000,000E | |
| Kingsville..... | | | | | | | | | 8,812,500E | |
| Little Current..... | 59,900Y | | | | | | | 44,985,000F | 5,875,000E | |
| Midhurst Ponds..... | 40,450Y | | | 10,355Y | 144A | 255A | | | | |
| Mount Pleasant..... | 63T | | | 3,500Y | | 25,250Fg | | | | |
| Normandale..... | 34,925Y | | 20,000F | 12A | | | | | | |
| | | | 1,400T | | | | | | | |
| North Bay TRS..... | 146,000Y | 30,000Y | 2,000Y | | | | | | | |
| Pembroke TRS..... | 204,585Y | 108,000Fg | 8,000Y | | | | | | | |
| Sandfield..... | 222,700Y | | | | | | | | | |
| | | | | | | 89,000F | | | | |
| | | | | | | 89,000Fg | | | | |
| | | | | | | 168A | | | | |
| Saint Ste. Marie..... | 204,160F | 220,000Y | 1,030Y | | | | | | | 22,077Y |
| | 244,200Y | | | | | | | | | 112,970Y |
| | 2,000A | | | | | | | | | 1,204A |
| Skeleton Lake..... | 162,160Y | 15,200Y | 25,500Y | | | | | | | |
| | 25,000T | | | | | | 38,250Fg | | 1,000,000E | |
| | | | | | | | 106A | | 13,950Fg | |
| Westport Ponds..... | 5,000Y | 8,600Y | 3,360Y | | 14,500Fg | 12,950Fg | | | | |
| White Lake Ponds..... | 285,500Y | 26,000Y | 23,000Y | 50,000Y | 45,000F | 61,750Fg | | 1,000,000E | 3,040,000F | |
| | | 40,000Y | | | 32,000Fg | | | | | |
| Wiarton..... | | 143,300Fg | | | | | | | | |

Other species: 26,500 Arctic Grayling yearlings at Dorion; 2,314 Aurora Trout fingerlings at Hill Lake; 1,067,750 Herring eggs at White Lake.

TRS—Trout Rearing Station; E—Egg; F—Fry; Fg—Fingerling; Y—Yearling; T—2-year old; A—Adult.

YIELD OF ONTARIO FISHERIES IN YEARS ENDING 31st DECEMBER (In Thousands of Pounds)

| SPECIES | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 |
|-------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Bass, Rock; Crappies... | ..... | ..... | ..... | 80 | 85 | 66 | 61 | 63 | 67 | 81 | 92 |
| Bass, White..... | ..... | ..... | ..... | 1,442 | 2,197 | 6,202 | 4,589 | 5,795 | 3,589 | 1,850 | 1,444 |
| Bullheads..... | 601 | 601 | 610 | 815 | 865 | 837 | 824 | 843 | 762 | 635 | 480 |
| Carp..... | 646 | 806 | 793 | 1,130 | 1,384 | 1,428 | 1,318 | 1,906 | 1,508 | 1,350 | 1,519 |
| Catfish..... | 301 | 294 | 284 | 370 | 295 | 332 | 285 | 299 | 272 | 330 | 319 |
| Caviar..... | 2 | 1 | 2 | 2 | 2 | 2 | 3 | 2 | 3 | 3 | 1 |
| Chub; Tullibee..... | 438 | 400 | 438 | 489 | 845 | 920 | 988 | 923 | 796 | 1,269 | 1,576 |
| Eels..... | 48 | 30 | 50 | 66 | 60 | 80 | 71 | 55 | 103 | 133 | 140 |
| Gold Eyes..... | 50 | 84 | 114 | 102 | 34 | 87 | 6 | 84 | 31 | 22 | 15 |
| Herring; Ciscoe..... | 2,137 | 1,572 | 1,428 | 1,598 | 1,149 | 1,375 | 936 | 1,142 | 1,996 | 1,917 | 2,947 |
| Ling..... | ..... | ..... | ..... | 247 | 458 | 426 | 506 | 451 | 354 | 484 | 432 |
| Menominee, Pilots..... | ..... | ..... | ..... | 21 | 11 | 13 | 18 | 20 | 23 | 26 | 24 |
| Perch..... | 2,698 | 2,710 | 3,375 | 2,738 | 4,629 | 8,203 | 5,181 | 11,843 | 12,068 | 16,299 | 19,968 |
| Pickarel, Blue..... | 9,831 | 8,665 | 4,102 | 7,447 | 10,399 | 8,210 | 12,070 | 12,019 | 6,398 | 833 | 50 |
| Pickarel, Yellow..... | 3,235 | 3,510 | 4,025 | 4,760 | 4,650 | 5,196 | 6,883 | 11,673 | 10,609 | 7,825 | 4,653 |
| Pike, Northern..... | 1,027 | 875 | 1,005 | 1,056 | 964 | 1,148 | 913 | 904 | 914 | 1,017 | 993 |
| Saugers..... | 191 | 343 | 639 | 362 | 250 | 212 | 168 | 133 | 103 | 174 | 112 |
| Sheepshead..... | ..... | ..... | ..... | 1,121 | 849 | 853 | 840 | 774 | 849 | 1,817 | 1,419 |
| Smelt..... | ..... | ..... | ..... | 662 | 1,326 | 1,550 | 2,328 | 4,016 | 4,666 | 4,967 | 7,059 |
| Sturgeon..... | 184 | 168 | 164 | 183 | 193 | 172 | 160 | 138 | 174 | 243 | 179 |
| Suckers..... | ..... | ..... | ..... | 1,485 | 1,568 | 1,485 | 1,395 | 1,394 | 1,317 | 1,509 | 1,410 |
| Sunfish..... | ..... | ..... | ..... | 285 | 469 | 376 | 370 | 416 | 375 | 276 | 225 |
| Trout, Lake..... | 1,892 | 2,044 | 1,975 | 2,181 | 1,862 | 1,562 | 1,190 | 641 | 498 | 622 | 522 |
| Whitefish..... | 7,063 | 6,589 | 7,180 | 9,426 | 10,214 | 6,844 | 4,452 | 4,049 | 3,226 | 3,278 | 3,183 |
| Miscellaneous..... | 3,717 | 4,064 | 4,787 | 65 | 83 | 101 | 83 | 132 | 413 | 212 | 227 |
| TOTAL..... | 34,061 | 32,756 | 30,972 | 38,044 | 44,839 | 47,679 | 45,636 | 59,717 | 51,113 | 47,172 | 48,992 |
| TOTAL VALUE (000's \$). | 5,497 | 6,252 | 7,044 | 7,417 | 7,037 | 7,013 | 6,783 | 7,928 | 7,047 | 7,274 | 4,866 |

YIELD OF ONTARIO FISHERIES IN YEARS ENDING 31st DECEMBER (In Thousands of Pounds)

| Year | Lake Ontario | Lake Erie | Lake St. Clair | Lake Huron | Georgian Bay | North Channel | Lake Superior | Northern Inland | Southern Inland | Total | Value \$'000 |
|-----------|--------------|-----------|----------------|------------|--------------|---------------|---------------|-----------------|-----------------|--------|--------------|
| 1936..... | 3,154 | 11,954 | 650 | 3,511 | 2,862 | 1,417 | 4,899 | 4,883 | 925 | 34,255 | 2,615 |
| 1937..... | 3,377 | 14,665 | 766 | 3,189 | 3,079 | 1,307 | 4,509 | 4,447 | 754 | 36,093 | 2,644 |
| 1938..... | 3,086 | 14,502 | 669 | 3,009 | 3,082 | 1,194 | 4,057 | 4,598 | 717 | 34,914 | 2,574 |
| 1939..... | 3,512 | 14,264 | 784 | 2,496 | 2,989 | 960 | 3,307 | 4,883 | 655 | 33,850 | 2,565 |
| 1940..... | 3,040 | 9,768 | 835 | 2,211 | 2,659 | 792 | 3,319 | 4,734 | 609 | 27,967 | 2,226 |
| 1941..... | 3,126 | 8,951 | 992 | 2,148 | 2,734 | 542 | 3,436 | 4,504 | 517 | 26,950 | 2,147 |
| 1942..... | 2,488 | 10,038 | 598 | 2,081 | 2,163 | 535 | 3,362 | 4,570 | 546 | 26,381 | 3,372 |
| 1943..... | 2,281 | 14,483 | 487 | 1,836 | 2,010 | 572 | 3,347 | 4,961 | 618 | 30,595 | 4,704 |
| 1944..... | 2,637 | 15,256 | 449 | 1,460 | 1,545 | 487 | 3,761 | 4,964 | 482 | 30,041 | 4,389 |
| 1945..... | 2,338 | 18,950 | 503 | 1,071 | 1,524 | 434 | 3,812 | 5,040 | 606 | 34,278 | 6,484 |
| 1946..... | 2,059 | 18,925 | 493 | 954 | 1,292 | 290 | 3,589 | 4,719 | 679 | 33,000 | 5,597 |
| 1947..... | 2,002 | 12,334 | 466 | 1,107 | 666 | 267 | 2,830 | 4,802 | 448 | 24,922 | 4,803 |
| 1948..... | 2,046 | 14,926 | 437 | 1,440 | 913 | 445 | 3,371 | 4,629 | 735 | 28,942 | 5,735 |
| 1949..... | 2,006 | 19,093 | 540 | 1,260 | 1,563 | 550 | 3,188 | 5,254 | 607 | 34,061 | 5,497 |
| 1950..... | 2,219 | 16,866 | 469 | 1,301 | 2,794 | 668 | 2,655 | 5,229 | 555 | 32,756 | 6,252 |
| 1951..... | 2,411 | 13,114 | 389 | 1,474 | 3,720 | 548 | 2,851 | 5,728 | 707 | 30,972 | 7,044 |
| 1952..... | 2,281 | 17,417 | 792 | 1,736 | 5,359 | 433 | 3,127 | 6,221 | 678 | 38,044 | 7,417 |
| 1953..... | 2,059 | 23,389 | 983 | 1,396 | 6,876 | 458 | 2,771 | 6,080 | 827 | 44,839 | 7,037 |
| 1954..... | 1,914 | 28,912 | 1,021 | 1,463 | 4,292 | 395 | 2,890 | 6,080 | 712 | 47,679 | 7,013 |
| 1955..... | 1,943 | 30,285 | 822 | 1,262 | 2,298 | 244 | 2,540 | 5,627 | 615 | 45,636 | 6,783 |
| 1956..... | 2,627 | 44,682 | 1,029 | 1,463 | 1,113 | 187 | 2,145 | 5,878 | 593 | 59,717 | 7,928 |
| 1957..... | 1,997 | 37,105 | 1,113 | 988 | 664 | 191 | 2,797 | 5,764 | 493 | 51,113 | 7,047 |
| 1958..... | 2,098 | 30,751 | 907 | 2,023 | 407 | 255 | 2,871 | 7,316 | 544 | 47,172 | 7,274 |
| 1959..... | 2,051 | 31,597 | 845 | 2,203 | 225 | 171 | 3,850 | 7,617 | 432 | 48,992 | 4,866 |

COMMERCIAL FISHING EQUIPMENT IN YEARS ENDING 31st DECEMBER

| Year | COMMERCIAL LICENCES | | Number of Men | FISHING BOATS | | AMOUNT OF NETS | | | | | | | Wharves and Piers | Net Sheds | Total Value |
|----------|---------------------|-------|---------------|---------------|----------------|----------------|-------|-------|-------|-------|-----------------------|-----|-------------------|-------------|-------------|
| | Gill Nets | Total | | Over 40 ft. | & Under 40 ft. | Gill (Yds.) | Pound | Trap* | Hoop | Seine | Freezers & Ice Houses | | | | |
| | | | | | | | | | | | | | | | |
| 1946.... | .... | .... | 4,244 | 107 | 2,205 | 9,090,199 | 1,079 | .... | 1,288 | 121 | 525 | 437 | .... | \$4,763,778 | |
| 1947.... | .... | 2,421 | 4,026 | 112 | 2,009 | 8,853,717 | 1,135 | .... | 1,240 | 99 | 486 | 400 | .... | 5,147,029 | |
| 1948.... | .... | .... | 3,736 | 111 | 1,930 | 8,980,784 | 1,152 | .... | 1,324 | 92 | 477 | 412 | .... | 5,716,075 | |
| 1949.... | 1,071 | 2,675 | 3,930 | 123 | 2,039 | 9,143,558 | 1,182 | .... | 1,411 | 110 | 456 | 395 | .... | 5,988,165 | |
| 1950.... | 1,021 | 2,722 | 3,886 | 116 | 1,966 | 9,064,269 | 1,214 | .... | 1,439 | 112 | 477 | 425 | .... | 6,678,891 | |
| 1951.... | 1,063 | 2,894 | 3,833 | 126 | 1,981 | 8,943,785 | 1,204 | .... | 1,483 | 105 | 476 | 416 | .... | 6,985,465 | |
| 1952.... | 1,124 | 3,115 | 3,878 | 196 | 1,682 | 9,056,782 | 1,127 | 359 | 1,564 | 109 | 462 | 474 | 727 | 8,327,779 | |
| 1953.... | 1,098 | 3,098 | 3,807 | 215 | 1,538 | 9,312,308 | 1,078 | 549 | 1,570 | 101 | 493 | 487 | 827 | 8,838,656 | |
| 1954.... | 1,045 | 3,200 | 3,657 | 214 | 1,407 | 9,247,586 | 878 | 709 | 1,578 | 116 | 482 | 456 | 778 | 9,176,180 | |
| 1955.... | 1,066 | 3,379 | 3,483 | 224 | 1,338 | 9,303,838 | 787 | 822 | 1,545 | 134 | 442 | 447 | 759 | 9,226,538 | |
| 1956.... | 1,032 | 3,470 | 3,135 | 202 | 1,320 | 8,718,920 | 784 | 763 | 1,487 | 84 | 426 | 437 | 754 | 8,891,463 | |
| 1957.... | 1,038 | 3,684 | 3,066 | 211 | 1,321 | 8,617,596 | 671 | 804 | 1,462 | 91 | 412 | 404 | 709 | 8,676,011 | |
| 1958.... | 1,100 | 4,029 | 3,224 | 212 | 1,270 | 8,898,006 | 713 | 731 | 1,441 | 81 | 464 | 425 | 727 | 9,215,473 | |
| 1959.... | 1,117 | 4,170 | 3,527 | 234 | 1,680 | 9,717,742 | 723 | 739 | 1,812 | 111 | 564 | 491 | 884 | 10,556,610 | |

*Trap Nets included with Pound Nets, 1946-1951.

FOREST PROTECTION BRANCH

The late Aubrey White, former Deputy Minister, may be regarded as the originator of forest protection as we know it.

His extensive report of March 30/85 on the emergency induced by increasing forest fire losses brought about government recognition of the necessity of immediate organized activity to meet the situation.

In the annual report for the following year Mr. White stated, "Last year was the first year of the experiment which was found to work in a satisfactory manner to the Department as well as to the licensees the net expense to the Province was under \$4,000". Mr White asked for \$8,000 for his new budget.

What had been accomplished received enthusiastic approval and laid the foundations of the fine organization which functions so well today.

Year by year the area under protection extended and so did the cost and so did the beneficial results.

The following are features:

The first legislation concerned with forest protection, "An Act to Preserve the Forests from Destruction by Fire", was placed in the statutes in 1878. In 1886 legislation which allowed sharing of fire ranging costs by the Province and licensee on licensed lands was enacted, to be supplemented by placing fire rangers on unlicensed Crown lands at public expense in 1897. This was further revised in 1910 when license holders were required to assume the full costs of fire ranging on licensed areas.

1911-16—HISTORIC FIRES

In 1911 the Porcupine fire occurred, burning over 864 square miles, causing \$3,000,000.00 property damage. This fire took 73 lives. Five years later, in 1916, the Matheson fire killed 223 persons, burned over 1,000 square miles and caused \$2,000,000.00 property damage.

1917—NEW ACT

The "Forest Fires Prevention Act" of 1917, the forerunner of our present legislation established the permit system of controlling settlers' fires. The principle of the annual, per acre, protection charge on licensed lands

Chief: T. E. MACKEY

Forest Protection Section
Supervisor: W. T. Foster
Fire Prevention and Control

Supervisor: W. T. Foster

Fire Prevention and Control
Forest Insects and Disease
Improvements and Equipment
Radio and Telephone Communications
Records Statistics
Clerical and Stenographic Staff

Air Service Section
Supervisor: G. E. Ponsford (Sault Ste. Marie)
Procurement, Operation and Maintenance of
fleet of 45 aircraft
Supervisory Personnel
Pilots Engineers
Clerical and Stenographic Staff

Supervisor: G. E. Ponsford (Sault Ste. Marie)

Procurement, Operation and Maintenance of fleet of 45 aircraft

Supervisory Personnel

| | |
|---------------------------------|-----------|
| Pilots | Engineers |
| Clerical and Stenographic Staff | |

(fire tax) was established under The Crown Timber Act in that year. This same year witnessed the appearance of motor-powered portable pumps in the Ontario protection service. In contrast with the 7 pumps purchased in 1917 there are now more than 1,000 units, many of the very latest design, in use.

1922—HAILEYBURY FIRE

The Haileybury fire of 1922 took 44 lives and caused \$6,000,000.00 property damage while burning over 2,000 square miles.

1924—AIR SERVICE

The year 1924 is noteworthy in that it marks the formation of the Provincial Air Service. The fourteen HS2L flying boats purchased in that year have been replaced by a series of other aircraft.

1927—RADIO SERVICE STARTED

Radio communication was first used by the Ontario protection service in the Red Lake Division of the Hudson Inspectorate in North-western Ontario. This was in the year 1927. In 1935 V.H.F. tower radio equipment went into service followed by aircraft radio equipment in 1939.

1938—FORT FRANCES FIRES

In 1938 there were 17 deaths as a result of fires in the Fort Frances District.

1941—This year saw Protection created as Division of the Department instead of a Branch as formerly.

1946—This year 1946 witnessed the initiation of the province-wide area-seen survey in connection with the tower detection system. The Forest Insect Laboratory at Sault Ste. Marie was completed in that year.

1948—NEW FIRE ACT

The Forest Fires Prevention Act was rewritten to its present form in 1948; only minor amendments have been added since that time. This was the year of the Mississagi fire with the subsequent salvage of 200,000 M.B.F. of lumber and 125,000 cords of pulpwood.

1949—PROVINCE-WIDE RADIO NETWORK COMPLETED

The province-wide radio network, with the "key" station at Maple was completed in 1949.

1952—FLYING SUPPRESSION CREWS

In 1952 suppression crews were being carried on routine aerial detection patrols, and the year 1953 was marked by the use of helicopters, throughout the Fire Season, for the first time.

1953—FOREST PATHOLOGY LABORATORY

The Laboratory of Forest Pathology at the Southern Research Station, Maple, was completed in 1953.

1955—BAD FIRE YEAR

A very heavy and sustained fire-load was experienced in 1955. Suppression action featured mobility of resources, the use of water-bombing and cargo-dropping techniques, and the teamwork of the helicopters and the Beaver aircraft. The value of the larger, transport type, helicopter was well demonstrated during the critical period when, through the courtesy of the R.C.A.F., a Sikorski and a Piasecki were made available to the protection service.

Forest Protection and Air Service Divisions were consolidated as Branches of Forest Protection Division, re-named Branch in 1959 at which time Branches were re-named Sections.

T. E. Mackey was appointed Chief on November 1st, 1946.

AIR SERVICE SECTION

The use of aircraft owned by the Provincial Government in forest protection began in 1924 with the purchase of 15 H.S.2.L. flying boats and during that year 2,500 hours were flown. At that time the flying service was a part of the forest protection organization and Capt. W. Roy Maxwell previously with Laurentide Air Service was appointed its first director.

The installation of bases at strategic points through the forest area followed and this was accompanied by fuel caches appropriately located.

From time to time additions were made to the fleet including a Loening and a Vickers Vedette and as the older types became obsolete newer and more suitable types were obtained. These included the Moth, Stinson, Fairchild Hamilton, DeHavilland and Norseman.

In 1934 Capt. Maxwell was succeeded as Director by Mr. Geo. Ponsford who had a wide experience in both war and peacetime aircraft.

The purchase of the first Beaver aircraft in 1948 (see Aircraft Service Record) was the beginning of a new efficiency in flying operations. The Beaver and the larger model, the Otter, were designed and built to meet Departmental requirements. Their success in Ontario has led to their establishment in many parts of the world.

One Beaver, CF-ODN, was sold to Nova Scotia H.E.P.C. in 1956 and four Beavers have been written off: CF-OCF at Geraldton in 1950, CF-OCM at Temagami in 1951, CF-OCI at Dryden in 1952, and CF-OCW at Lauzon Lake in 1953. In 1959, one Beaver was sold and one was lost in an accident at Ear Falls. A total of 25 aircraft has been written off. The last of nineteen flying fatalities occurred in May, 1952.

The development of water-dropping equipment, begun in 1945, reached fruition in 1957 with the successful use of water tanks mounted on aircraft floats. By 1958, all Service aircraft were equipped with these tanks which have proved to be very valuable in fire-fighting operations.

NUMBER OF ACRES BURNED OVER

| YEAR | Crown | Private | Total | NUMBER OF FIRES | AVERAGE ACREAGE |
|------------|-----------|---------|-----------|--------------------|--------------------|
| 1925..... | 132,481 | 57,062 | 189,543 | 1,149 | 165 |
| 1926..... | 65,888 | 22,486 | 88,374 | 1,110 | 80 |
| 1927..... | 22,772 | 12,970 | 35,742 | 924 | 39 |
| 1928..... | 96,436 | 3,947 | 100,383 | 536 | 189 |
| 1929..... | 608,750 | 16,893 | 625,643 | 1,550 | 404 |
| 1930..... | 357,531 | 354,278 | 711,809 | 1,402 | 508 |
| 1931..... | 105,866 | 32,421 | 138,287 | 1,851 | 75 |
| 1932..... | 626,555 | 52,466 | 679,021 | 2,073 | 328 |
| 1933..... | 325,034 | 24,924 | 349,958 | 1,919 | 182 |
| 1934..... | 160,348 | 38,285 | 198,633 | 1,568 | 127 |
| 1935..... | 183,179 | 67,483 | 250,662 | 1,309 | 191 |
| 1936..... | 1,153,876 | 110,557 | 1,264,433 | 2,264 | 558 |
| 1937..... | 201,887 | 22,859 | 224,746 | 1,453 | 155 |
| 1938..... | 96,168 | 42,077 | 138,245 | 1,292 | 107 |
| 1939..... | 26,089 | 3,009 | 29,098 | 961 | 30 |
| 1940..... | 100,990 | 20,624 | 121,614 | 1,014 | 120 |
| 1941..... | 271,793 | 394,754 | 666,547 | 1,265 | 527 |
| 1942..... | 77,709 | 36,007 | 113,716 | 1,224 | 93 |
| 1943..... | 33,465 | 19,352 | 52,817 | 624 | 85 |
| 1944..... | 73,228 | 95,663 | 168,891 | 1,137 | 149 |
| 1945..... | 17,997 | 30,513 | 48,510 | 966 | 47 |
| 1946..... | 44,656 | 32,113 | 76,769 | 1,739 | 44 |
| 1947..... | 38,093 | 45,939 | 84,032 | 1,393 | 60 |
| 1948..... | 854,778 | 162,611 | 1,017,389 | 2,036 | 500 |
| 1949..... | 40,593 | 19,472 | 60,065 | 1,834 | 33 |
| 1950..... | 13,203 | 23,577 | 36,780 | 985 | 37 |
| 1951..... | 96,662 | 4,581 | 101,243 | 904 | 112 |
| 1952..... | 7,264 | 5,157 | 12,421 | 1,095 | 11 |
| 1953..... | 44,519 | 14,290 | 58,809 | 1,520 | 39 |
| 1954..... | 36,115 | 18,578 | 54,693 | 881 | 62 |
| 1955..... | 370,948 | 25,475 | 396,423 | 2,252 | 176 |
| 1956..... | 221,822 | 4,390 | 226,212 | 1,017 | 222 |
| 1957..... | 24,250 | 22,401 | 46,651 | 1,671 | 28 |
| 1958..... | 25,544 | 11,108 | 36,652 | 1,558 | 24 |
| 1959..... | 2,580 | 2,701 | 5,281 | 1,029 | 5 |
| 1960*..... | 29,191 | 2,195 | 31,386 | 956 | 33 |

*Preliminary Report to Dec. 1st, 1960.

1960 FOREST FIRES (Preliminary Report)

| DISTRICT | ACRES BURNED | NUMBER OF FIRES | AVERAGE ACREAGE |
|-----------------------|-----------------|--------------------|--------------------|
| Chapleau..... | 30 | 15 | 2 |
| Cochrane..... | 485 | 16 | 30½ |
| Fort Frances..... | 1,231 | 81 | 15 |
| Geraldton..... | 5,772 | 73 | 79 |
| Gogama..... | 9 | 11 | 1 |
| Kapuskasing..... | 474 | 17 | 28 |
| Kenora..... | 1,657 | 103 | 16 |
| Lake Huron..... | ... | 1 | ... |
| Lake Simcoe..... | 3 | 9 | ½ |
| Lindsay..... | 136 | 49 | 3 |
| North Bay..... | 12 | 18 | ½ |
| Parry Sound..... | 70 | 80 | 1 |
| Pembroke..... | 62 | 54 | 1 |
| Port Arthur..... | 450 | 77 | 6 |
| Sault Ste. Marie..... | 18 | 28 | ½ |
| Sioux Lookout..... | 20,303 | 148 | 137 |
| Sudbury..... | 65 | 53 | 1 |
| Swastika..... | 69 | 4 | 15 |
| Tweed..... | 521 | 89 | 6 |
| White River..... | 19 | 30 | ½ |

MONTHS

| | | | |
|----------------|--------|-----|----|
| April..... | 119 | 21 | 6 |
| May..... | 2,361 | 145 | 16 |
| June..... | 387 | 79 | 5 |
| July..... | 27,515 | 326 | 84 |
| August..... | 275 | 190 | 1 |
| September..... | 119 | 87 | 1 |
| October..... | 480 | 90 | 5 |
| November..... | 130 | 18 | 7 |
| TOTAL..... | 31,386 | 956 | 33 |

FOREST FIRES CLASSIFIED BY ORIGIN, AGENCY OF DETECTION, AND SIZE

| ORIGIN | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960* |
|------------------------|-------|-------|-------|-------|------|------|-------|-------|------|-------|-------|-------|-------|-------|-------|
| Settlers..... | 80 | 75 | 147 | 152 | 107 | 74 | 112 | 92 | 42 | 148 | 49 | 125 | 123 | 52 | 55 |
| Campers..... | 481 | 298 | 432 | 451 | 256 | 191 | 315 | 388 | 221 | 390 | 196 | 379 | 325 | 323 | 265 |
| Smokers..... | 383 | 248 | 461 | 340 | 258 | 173 | 214 | 279 | 147 | 298 | 145 | 342 | 371 | 159 | 116 |
| Railways..... | 249 | 180 | 333 | 138 | 99 | 139 | 131 | 188 | 82 | 189 | 122 | 176 | 149 | 67 | 49 |
| Road Construction..... | 21 | 30 | 46 | 85 | 47 | 28 | 26 | 13 | 11 | 13 | 34 | 73 | 63 | 12 | 18 |
| Logging..... | 68 | 56 | 52 | 52 | 29 | 38 | 31 | 24 | 13 | 53 | 22 | 39 | 17 | 25 | 20 |
| Mining..... | 11 | 6 | 6 | 6 | 3 | 12 | 5 | 2 | 3 | 11 | 6 | 7 | 1 | 2 | 2 |
| Prospectors..... | 2 | 2 | 2 | 6 | 1 | .... | .... | 1 | 2 | 11 | 8 | 3 | 1 | 4 | 1 |
| Incendiary..... | 31 | 15 | 35 | 32 | 16 | 16 | 13 | 19 | 25 | 31 | 8 | 26 | 43 | 13 | 12 |
| Miscellaneous..... | 68 | 31 | 31 | 94 | 68 | 74 | 108 | 143 | 74 | 148 | 123 | 194 | 229 | 116 | 97 |
| Unknown..... | 42 | 42 | 9 | 10 | 8 | 8 | 10 | 14 | 9 | 32 | 2 | 32 | 17 | 14 | 11 |
| Lightning..... | 303 | 410 | 433 | 468 | 93 | 151 | 130 | 357 | 252 | 928 | 302 | 275 | 219 | 242 | 310 |
| TOTAL..... | 1,739 | 1,393 | 2,036 | 1,834 | 985 | 904 | 1,095 | 1,520 | 881 | 2,252 | 1,017 | 1,671 | 1,558 | 1,027 | 956 |
| Man Caused—Total..... | 1,436 | 983 | 1,603 | 1,366 | 892 | 753 | 965 | 1,163 | 629 | 1,324 | 715 | 1,396 | 1,339 | 785 | 646 |
| Percentage.. | 83 | 71 | 79 | 74 | 91 | 83 | 88 | 77 | 71 | 59 | 70 | 84 | 86 | 76 | 68 |
| Prosecutions..... | | | | | | | | | | | 62 | 55 | 71 | 38 | 30 |
| Convictions..... | | | | | | | | | | | 56 | 41 | 62 | 35 | 29 |

*Preliminary Report to Dec. 1st, 1960.

| MEANS OF DETECTION | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960* |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Towers..... | 615 | 424 | 575 | 630 | 352 | 310 | 344 | 528 | 353 | 891 | 262 | 575 | 581 | 414 | 304 |
| Aircraft..... | 197 | 264 | 411 | 337 | 117 | 122 | 139 | 216 | 126 | 395 | 189 | 202 | 121 | 91 | 158 |
| Rangers..... | 260 | 158 | 241 | 168 | 93 | 72 | 82 | 122 | 46 | 102 | 57 | 141 | 87 | 66 | 68 |
| Public..... | 667 | 547 | 809 | 699 | 423 | 400 | 530 | 654 | 356 | 864 | 509 | 753 | 769 | 458 | 431 |

| SIZE | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960* |
|-------------------------|------|------|------|------|------|------|------|------|------|-------|------|------|------|------|-------|
| 1 acre..... | 490 | 412 | 571 | 574 | 260 | 329 | 391 | 500 | 354 | 846 | 395 | 575 | 490 | 470 | 411 |
| 4-5 acres..... | 784 | 626 | 894 | 811 | 426 | 383 | 516 | 719 | 392 | 1,004 | 456 | 741 | 753 | 434 | 400 |
| 5-10 acres..... | 129 | 97 | 155 | 122 | 92 | 45 | 65 | 102 | 36 | 120 | 46 | 120 | 108 | 59 | 51 |
| 10-100 acres..... | 233 | 177 | 285 | 242 | 155 | 115 | 103 | 146 | 81 | 188 | 66 | 187 | 178 | 56 | 61 |
| 100-500 acres..... | 78 | 50 | 74 | 61 | 43 | 21 | 16 | 33 | 9 | 52 | 26 | 37 | 20 | 9 | 23 |
| 500-1,000 acres..... | 13 | 12 | 24 | 16 | 3 | 5 | 3 | 7 | 2 | 16 | 4 | 7 | 4 | 1 | 4 |
| 1,000-10,000 acres..... | 12 | 19 | 24 | 7 | 6 | 4 | 1 | 13 | 5 | 18 | 21 | 3 | 5 | .... | 6 |
| Over 10,000 acres..... | .... | .... | 9 | 1 | .... | 2 | .... | .... | 2 | 8 | 3 | 1 | .... | .... | .... |
| AVERAGE SIZE (Acres) | 44 | 60 | 500 | 33 | 37 | 112 | 11 | 39 | 62 | 176 | 222 | 28 | 24 | 5 | 33 |

*Preliminary Report to Dec. 1st, 1960.

ESTIMATED FIRE DAMAGE (In Years Ending 31st December)

| YEAR | TIMBER DAMAGE (000's Cu. Ft.) | | | TIMBER DAMAGE (Crown Dues, Only) | | | DAMAGE TO REPRODUCTION* | | | TOTAL DAMAGE | PRIVATE PROPERTY DAMAGE |
|--------|----------------------------------|---------|---------|-------------------------------------|----------|-----------|-------------------------|----------|-----------|-----------------|-------------------------------|
| | Crown | Private | Total | Crown | Private | Total | Crown | Private | Total | | |
| 1950.. | 1,624 | 1,937 | 3,561 | \$ 16,244 | \$19,365 | \$ 35,609 | \$ 8,611 | \$10,927 | \$ 19,538 | \$ 55,148 | \$103,682 |
| 1951.. | 29,401 | 188 | 29,590 | 294,015 | 1,880 | 295,895 | 92,431 | 1,121 | 93,552 | 389,447 | 56,389 |
| 1952.. | 1,401 | 577 | 1,978 | 14,013 | 5,769 | 19,782 | 9,169 | 553 | 9,722 | 29,504 | 31,347 |
| 1953.. | 27,934 | 1,688 | 29,622 | 279,340 | 16,880 | 296,220 | 87,811 | 9,843 | 97,654 | 393,874 | 81,778 |
| 1954.. | 24,825 | 84 | 24,909 | 248,249 | 838 | 249,087 | 156,362 | 793 | 157,154 | 406,241 | 15,650 |
| 1955.. | 267,186 | 587 | 267,773 | 2,671,857 | 5,870 | 2,677,727 | 900,331 | 13,622 | 913,953 | 3,591,680 | 184,940 |
| 1956.. | 155,305 | 74 | 155,378 | 2,868,133 | 2,118 | 2,870,251 | 195,491 | 2,411 | 197,901 | 3,068,152 | 22,319 |
| 1957.. | 20,107 | 1,014 | 21,121 | 406,376 | 21,876 | 428,252 | 23,086 | 11,722 | 34,808 | 463,059 | 113,751 |
| 1958.. | 8,721 | 2,465 | 11,186 | 173,377 | 49,309 | 222,685 | 53,576 | 35,242 | 88,818 | 311,503 | 97,036 |
| 1959.. | 680 | 42 | 722 | 13,882 | 826 | 14,709 | 2,579 | 4,752 | 7,332 | 22,041 | 20,757 |
| 1960** | 21,291 | 102 | 21,393 | 304,437 | 2,028 | 306,465 | 8,175 | 1,370 | 9,545 | 316,010 | 68,737 |

*Protection Charges, 1950-1955 **Preliminary Report to Dec. 1st, 1960.

FOREST PROTECTION PERMITS

| YEAR | FIRE PERMITS | WORK PERMITS | | TRAVEL PERMITS | |
|-----------|-----------------|--------------|--------|----------------|---------|
| | | Permits | Men | Permits | Persons |
| 1925..... | 11,962 | ..... | ..... | ..... | ..... |
| 1926..... | 13,466 | ..... | ..... | ..... | ..... |
| 1927..... | 13,593 | ..... | ..... | 6,548 | 15,669 |
| 1928..... | 13,611 | ..... | ..... | 15,406 | 42,566 |
| 1929..... | 14,038 | ..... | ..... | 20,738 | 51,443 |
| 1930..... | 15,094 | ..... | ..... | 36,799 | 91,457 |
| 1931..... | 27,031 | 3,642 | 27,078 | 48,593 | 135,975 |
| 1932..... | 23,187 | 3,626 | 23,186 | 46,753 | 132,783 |
| 1933..... | 26,922 | 5,464 | 33,474 | 14,161 | 35,921 |
| 1934..... | 20,962 | 6,029 | 56,405 | 12,178 | 30,162 |
| 1935..... | 18,988 | ..... | ..... | 9,774 | 28,606 |
| 1936..... | 18,964 | ..... | ..... | 8,447 | 26,564 |
| 1937..... | 15,400 | 4,434 | 57,978 | 8,947 | 28,946 |
| 1938..... | 15,035 | 4,106 | 44,882 | 12,216 | 38,952 |
| 1939..... | 15,565 | 3,686 | 48,208 | 12,707 | 40,446 |
| 1940..... | 14,522 | 2,684 | 46,727 | 10,162 | 33,350 |
| 1941..... | 7,833 | 2,251 | 46,079 | 11,353 | 36,315 |
| 1942..... | 8,542 | 1,826 | 40,194 | 8,358 | 24,725 |
| 1943..... | 5,242 | 2,272 | 34,440 | 11,004 | 28,567 |
| 1944..... | 5,106 | 2,173 | 34,927 | 13,510 | 41,569 |
| 1945..... | 5,764 | 2,799 | 47,280 | 20,393 | 70,085 |
| 1946..... | 8,940 | 3,496 | 67,346 | 35,794 | 112,191 |
| 1947..... | 7,925 | 3,491 | 61,140 | 51,187 | 146,185 |
| 1948..... | 9,237 | 3,030 | 51,736 | 61,384 | 194,617 |
| 1949..... | 11,546 | 3,168 | 47,465 | 90,206 | 256,320 |
| 1950..... | 9,357 | 3,753 | 57,581 | 86,975 | 323,870 |
| 1951..... | 9,647 | 4,130 | 65,762 | 114,998 | 422,938 |
| 1952..... | 11,764 | 3,971 | 55,882 | 124,193 | 455,979 |
| 1953..... | 14,189 | 3,585 | 49,387 | 146,481 | 506,703 |
| 1954..... | 12,315 | 3,496 | 67,346 | 113,971 | 408,018 |
| 1955..... | 14,803 | 3,668 | 76,703 | 211,724 | 717,542 |
| 1956..... | 14,142 | 3,939 | 62,469 | 181,396 | 608,138 |
| 1957..... | 12,778 | 3,095 | 55,227 | 118,690 | 427,834 |
| 1958..... | 15,842 | 2,922 | 44,362 | 121,373 | 412,468 |
| 1959..... | 17,889 | 3,705 | 44,942 | 112,916 | 390,510 |

REPORT OF MAJOR EQUIPMENT (As of March 31st, 1960)

| Districts REGIONS AND OTHERS | Portable Pumps | Fire Hose | Tents | Eider- downs | Blan- kets | Binocu- lars | Canoes | Boats | Outboard Motors | In- board Boats | Barges and Scows | Trucks and Autos | Trail- ers | Trac- tors | Rlwy. Motor Cars | Veloci- peds | Snow Vehicles |
|-------------------------------------|-------------------|--------------|-------|-----------------|---------------|-----------------|--------|-------|--------------------|-----------------------|------------------------|------------------------|---------------|---------------|------------------------|-----------------|------------------|
| Chapleau..... | 44 | 225 | 133 | 55 | 62 | 1,709 | 21 | 43 | 10 | 25 | ... | 23 | 7 | 5 | ... | ... | ... |
| Cochrane..... | 60 | 766 | 233 | 126 | 84 | 1,832 | 36 | 60 | 14 | 39 | ... | 40 | 11 | 7 | ... | ... | 1 |
| Fort Frances..... | 47 | 174 | 133 | 87 | 87 | 962 | 23 | 37 | 24 | 29 | ... | 20 | 5 | 5 | ... | ... | 1 |
| Geraldton..... | 104 | 732 | 266 | 196 | 84 | 2,194 | 31 | 68 | 7 | 38 | ... | 40 | 7 | 5 | ... | 5 | ... |
| Gogama..... | 37 | 235 | 134 | 67 | 314 | 1,012 | 19 | 34 | 10 | 22 | ... | 20 | 6 | 4 | ... | ... | ... |
| Kapuskasing..... | 48 | 509 | 136 | 110 | 53 | 1,738 | 37 | 60 | 8 | 33 | ... | 30 | 5 | 5 | ... | 7 | 1 |
| Kemptonville..... | 15 | 131 | 28 | 6 | 10 | 22 | 14 | 1 | 23 | 17 | ... | 21 | 12 | 13 | ... | ... | 1 |
| Kenora..... | 72 | 206 | 253 | 105 | 59 | 927 | 26 | 56 | 29 | 32 | ... | 42 | 5 | 6 | ... | ... | ... |
| Aylmer..... | 12 | 109 | 25 | ... | 8 | 14 | 23 | 4 | 14 | 14 | ... | 50 | 25 | 10 | ... | ... | ... |
| Hespeler..... | 15 | 145 | 30 | 4 | 10 | 18 | 21 | 2 | 19 | 12 | ... | 54 | 17 | 24 | ... | ... | ... |
| Maple..... | 28 | 245 | 61 | 14 | 6 | 350 | 24 | 4 | 21 | 22 | ... | 42 | 25 | 10 | ... | ... | ... |
| Lindsay..... | 44 | 330 | 114 | 35 | 43 | 623 | 31 | 30 | 39 | 35 | ... | 47 | 21 | 13 | ... | ... | ... |
| North Bay..... | 53 | 243 | 134 | 128 | 152 | 859 | 37 | 74 | 35 | 53 | ... | 43 | 16 | 4 | ... | 3 | ... |
| Parry Sound..... | 47 | 312 | 130 | 56 | 85 | 1,438 | 33 | 40 | 42 | 51 | ... | 47 | 16 | 6 | ... | ... | 2 |
| Pembroke..... | 42 | 311 | 132 | 112 | 112 | 2,578 | 24 | 83 | 37 | 55 | ... | 54 | 12 | 11 | ... | ... | 1 |
| Port Arthur..... | 67 | 214 | 178 | 133 | 82 | 1,434 | 27 | 42 | 20 | 28 | ... | 44 | 9 | 10 | ... | ... | ... |
| Sault Ste. Marie..... | 69 | 416 | 219 | 199 | 74 | 2,896 | 30 | 46 | 13 | 27 | ... | 55 | 2 | 2 | ... | ... | ... |
| St. James..... | 99 | 421 | 314 | 156 | 85 | 1,649 | 25 | 57 | 17 | 60 | ... | 27 | 5 | 3 | ... | 3 | ... |
| St. Joseph..... | 63 | 395 | 226 | 133 | 44 | 2,281 | 31 | 56 | 26 | 44 | ... | 44 | 8 | 7 | ... | ... | ... |
| Sudbury..... | 41 | 305 | 124 | 86 | 62 | 1,056 | 23 | 31 | 22 | 29 | ... | 30 | 18 | 6 | ... | ... | ... |
| Swastika..... | 40 | 375 | 93 | 45 | 64 | 442 | 40 | 12 | 52 | 39 | ... | 46 | 20 | 3 | ... | ... | ... |
| Tweed..... | 48 | 309 | 139 | 110 | 56 | 796 | 23 | 58 | 12 | 25 | ... | 30 | 7 | 3 | ... | 2 | ... |
| White River..... | 48 | 511 | 205 | 62 | 6 | 294 | ... | ... | 1 | 1 | ... | 1 | ... | ... | ... | ... | ... |
| Central..... | 33 | 132 | 70 | 71 | ... | 584 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| South-Central..... | 20 | 146 | 96 | 6 | ... | 140 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Mid-Western..... | 34 | 230 | 80 | 60 | ... | 1,000 | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Northern..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| South-Eastern..... | 20 | 179 | ... | 46 | ... | 465 | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Western..... | 9 | 38 | 12 | 6 | 2 | 938 | 3 | 19 | 4 | 4 | ... | 2 | 1 | 2 | ... | ... | ... |
| Ranger School..... | ... | ... | 500 | 2 | 120 | 176 | ... | 10 | 6 | 27 | ... | 5 | ... | 2 | ... | ... | ... |
| Air Service..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Head Office (including Research) | 12 | ... | 100 | 167 | 262 | 113 | 56 | 27 | 29 | 48 | ... | 48 | 9 | 6 | ... | ... | ... |
| TOTAL..... | 1,271 | 8,344 | 3,712 | 2,391 | 1,739 | 30,540 | 659 | 954 | 534 | 809 | 44 | 6 | 263 | 184 | 42 | 20 | 13 |

MAJOR EQUIPMENT (AS OF 31st MARCH)

| | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 |
|----------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Portable Power Pumps... | 697 | 710 | 729 | 795 | 838 | 896 | 976 | 1,029 | 1,062 | 1,097 | 1,218 | 1,215 | 1,255 | 1,306 | 1,271 |
| Portable Hand Pumps.... | 3,556 | 3,656 | 4,141 | 4,309 | 4,622 | 5,717 | 6,154 | 6,206 | 6,406 | 6,362 | 7,907 | 7,899 | 8,712 | 8,336 | 8,324 |
| Hose (000's Feet) | 1,752 | 1,838 | 1,922 | 2,110 | 2,148 | 2,144 | 2,266 | 2,743 | 2,826 | 2,714 | 3,319 | 3,312 | 3,890 | 3,551 | 3,712 |
| Tents..... | 1,272 | 1,267 | 1,321 | 1,558 | 1,611 | 1,567 | 1,698 | 1,841 | 2,030 | 1,997 | 2,376 | 2,469 | 2,438 | 2,483 | 2,891 |
| Hiderdowns..... | | | | | | | | | | 1,365 | 1,506 | 1,538 | 1,597 | 1,671 | 1,739 |
| Blankets..... | 20,911 | 22,302 | 24,928 | 25,670 | 24,840 | 24,104 | 24,816 | 27,966 | 30,314 | 32,668 | 31,582 | 29,288 | 29,505 | 29,024 | 30,540 |
| Binoculars..... | 259 | 167 | 229 | 325 | 369 | 382 | 445 | 556 | 575 | 573 | 642 | 609 | 615 | 647 | 679 |
| Canoes..... | 986 | 977 | 1,044 | 1,041 | 1,051 | 1,003 | 1,084 | 1,142 | 1,061 | 1,114 | 1,087 | 1,073 | 1,052 | 1,035 | 954 |
| Boats (Outboard)..... | | | | | | 231 | 278 | 373 | 379 | 418 | 434 | 459 | 493 | 519 | 534 |
| Motors (Outboard)..... | 247 | 265 | 363 | 438 | 476 | 501 | 552 | 648 | 690 | 752 | 771 | 771 | 800 | 785 | 809 |
| Boats (Inboard)..... | 47 | 48 | 57 | 61 | 60 | 57 | 63 | 63 | 61 | 55 | 64 | 60 | 59 | 48 | 44 |
| Barges and Scows..... | | | | | | | | | | | | 4 | 6 | 7 | 6 |
| Trucks and Autos..... | 130 | 140 | 201 | 279 | 318 | 400 | 491 | 666 | 730 | 715 | 786 | 751 | 861 | 918 | 905 |
| Trailers..... | | | | | | | | | | 107 | 141 | 166 | 205 | 249 | 263 |
| Tractors..... | | | | | | | 50 | 73 | 93 | 101 | 121 | 134 | 312 | 186 | 184 |
| Railway Motor Cars..... | 49 | 49 | 47 | 47 | 46 | 44 | 44 | 50 | 49 | 45 | 47 | 46 | 44 | 44 | 42 |
| Velocipedes..... | 76 | 73 | 61 | 50 | 35 | | | | | | | 24 | 24 | 22 | 20 |
| Snowmobiles..... | | | | | | | | | | 7 | | 8 | 10 | 10 | 13 |
| Radio Sets, Stations | 245 | 252 | 279 | 285 | 310 | 347 | 397 | 613 | 686 | 801 | 825 | 899 | 1,047 | 1,140 | 1,294 |

MAJOR IMPROVEMENTS (COMPLETED AS OF 31st MARCH)

| | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Cabins..... | 538 | 547 | 561 | 537 | 514 | 534 | 555 | 525 | 508 | 489 | 511 | 512 | 547 | 567 | 515 |
| Storehouses..... | 144 | 152 | 150 | 149 | 150 | 134 | 135 | 138 | 143 | 144 | 146 | 189 | 195 | 199 | 198 |
| Boathouses..... | 59 | 60 | 61 | 56 | 63 | 68 | 67 | 72 | 74 | 82 | 83 | 85 | 80 | 79 | 79 |
| Store and Boat Houses... | 27 | 27 | 14 | 17 | 15 | 18 | 18 | 24 | 17 | 24 | 26 | 24 | 24 | 25 | 36 |
| Bunkhouses..... | 63 | 62 | 64 | 57 | 60 | 58 | 60 | 68 | 64 | 65 | 88 | 95 | 102 | 68 | 63 |
| Offices..... | 32 | 36 | 36 | 39 | 46 | 54 | 52 | 52 | 61 | 61 | 62 | 72 | 82 | 77 | 96 |
| Garages, Carhouses..... | 87 | 89 | 92 | 99 | 93 | 106 | 104 | 114 | 139 | 182 | 208 | 247 | 238 | 236 | 178 |
| Other Buildings..... | 213 | 213 | 220 | 269 | 232 | 266 | 280 | 325 | 309 | 391 | 365 | 451 | 532 | 603 | 575 |
| Hose Towers..... | 53 | 63 | 51 | 62 | 58 | 49 | 41 | 51 | 33 | 30 | 32 | 36 | 36 | 43 | 29 |
| Wooden Towers..... | 63 | 52 | 56 | 52 | 39 | 36 | 32 | 32 | 20 | 19 | 18 | 16 | 9 | 6 | 1 |
| Steel Towers..... | 227 | 227 | 234 | 230 | 231 | 271 | 281 | 279 | 279 | 280 | 288 | 292 | 302 | 308 | 315 |
| Telephone Lines (miles)... | 4,455 | 3,740 | 3,956 | 3,769 | 3,775 | 3,651 | 3,567 | 3,420 | 3,061 | 2,810 | 2,669 | 2,216 | 2,316 | 1,284 | 1,054 |

AIR SERVICE BASE OPENING DATES (or First Float Flying)

| BASE | 1933 | 1934 | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | 1941 | 1942 | 1943 | 1944 | 1945 |
|------------------------|----------|----------|--------|---------|----------|----------|----------|--------|----------|----------|--------|----------|----------|
| Algonquin Park . . . | 29 April | 4 May | 1 May | 4 May | 3 May | 6 May | 7 May | 5 May | 21 April | 26 April | 8 May | 3 May | 26 April |
| Caribou Lake | 27 May | 25 May | 21 May | 24 May | 17 May | 24 May | 15 May | 19 May | 10 May | 5 May | 5 June | 19 May | 12 May |
| Biscotasing | 15 May | 14 May | 14 May | 14 May | 8 May | 2 May | 12 May | 7 May | 2 May | 27 April | 17 May | 7 May | 26 April |
| Fort Frances . . . . . | ..... | 15 May | 3 May | 19 May | 13 May | 11 May | 11 May | 15 May | 2 May | 29 April | 12 May | 15 May | 27 April |
| Geraldton . . . . . | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 14 May | ..... |
| Goose Island | 16 May | 20 May | 17 May | 19 May | 25 May | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Ignace | 3 July | 16 May | 15 May | 19 May | 17 May | 14 May | 12 May | 18 May | 1 May | 29 April | 18 May | 19 May | 12 May |
| Kenora | 10 May | 11 May | 10 May | 18 May | 15 May | 12 May | 9 May | 15 May | 30 April | 29 April | 12 May | 20 May | 10 May |
| Oba Lake | 16 May | 19 May | 20 May | 24 May | 7 May | 9 May | 16 May | 22 May | 13 May | 1 May | 18 May | 17 May | 5 May |
| Orient Bay | 10 June | 26 May | 23 May | 24 May | 10 May | 14 May | 19 May | 28 May | 12 May | 8 July | 28 May | 23 May | 23 May |
| Pays Plat . . . . . | ..... | ..... | ..... | ..... | ..... | ..... | 14 May | 9 May | 1 May | 4 May | 11 May | 8 May | 9 May |
| Pickle Lake . . . . . | ..... | ..... | ..... | 28 May | 27 May | 18 May | 29 May | 24 May | 14 May | ..... | ..... | ..... | ..... |
| Port Arthur | 6 May | 12 May | 3 May | 15 May | 27 April | 14 May | 12 May | 9 May | 1 May | 29 April | 11 May | 16 May | 2 May |
| Red Lake . . . . . | ..... | ..... | ..... | ..... | ..... | 16 May | 13 May | 23 May | 10 May | 4 May | 22 May | 19 May | 10 May |
| Remi Lake . . . . . | ..... | 25 May | 23 May | 1 June | 14 May | 16 May | 22 May | 29 May | 17 May | 5 May | 21 May | 17 May | 3 May |
| Sault Ste. Marie . . . | 21 April | 24 April | 2 May | 1 April | ..... | 21 April | 28 April | 2 May | ..... | 24 April | 10 May | 27 April | 10 April |
| SiouX Lookout | 10 May | 16 May | 16 May | 18 May | 13 May | 5 May | 11 May | 18 May | 1 May | 29 April | 17 May | 15 May | 10 May |
| Sudbury | 3 May | 8 May | 2 May | 8 May | 4 May | 30 April | 5 May | 4 May | 30 April | 29 April | 7 May | 8 May | 1 May |
| Temagami . . . . . | ..... | ..... | ..... | ..... | ..... | 3 May | 13 May | 7 May | 3 May | 29 April | 18 May | 8 May | 20 April |
| Twin Lakes | 14 May | 26 May | 21 May | 1 June | 18 May | 16 May | 18 May | 23 May | 12 May | 5 May | 19 May | 18 May | 12 May |
| Whitefish Lake | 15 May | 19 May | 16 May | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |

AIR SERVICE BASE OPENING DATES (or First Float Flying)—Cont'd

| Base | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 |
|---------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Algonquin Park..... | 30 April | 8 May | 19 April | 2 April | 17 May | 29 April | 24 April | 21 April | 29 April | 21 April | 11 May | 25 April | 23 April |
| Carey Lake..... | ..... | ..... | ..... | ..... | ..... | ..... | 10 May | 15 May | 18 May | 30 April | 27 May | 7 May | 9 May |
| Caribou Lake..... | 23 May | 3 June | 19 May | 9 May | 1 June | 21 May | 7 May | 14 May | 27 May | 1 May | 1 June | 13 May | 15 May |
| Chapleau..... | ..... | ..... | 8 May | 10 May | 16 May | 30 April | 8 May | 8 May | 4 May | 22 April | 14 May | 3 May | 24 April |
| Biscotasing..... | 22 April | 17 May | 28 April | 7 May | 20 May | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Eva Lake..... | 27 April | 16 May | 8 May | 1 May | 20 May | 10 May | 30 April | 29 April | 17 May | 28 April | 16 May | 6 May | * |
| Port Frances..... | 7 May | 20 May | 11 May | 30 April | 24 May | 7 May | 1 May | 4 May | 13 May | 27 April | 16 May | 29 April | 18 April |
| Geraldton..... | ..... | ..... | 14 May | 4 May | 20 May | 9 May | 5 May | 7 May | 18 May | 27 April | 17 May | 7 May | 5 May |
| Gogama..... | ..... | ..... | 27 April | 30 April | 8 May | 24 April | 23 April | 29 April | 3 May | 22 April | 14 May | 1 May | 28 April |
| Ignace..... | 1 May | 20 May | 10 May | 3 May | 22 May | 9 May | 1 May | 5 May | 18 May | 28 April | 16 May | 6 May | 2 May |
| Kenogami..... | ..... | ..... | ..... | ..... | ..... | 10 May | 2 May | 7 May | 9 May | 26 April | 22 May | 10 May | 4 May |
| Kenora..... | 14 May | 20 May | 8 May | 3 May | 22 May | 10 May | 1 May | 7 May | 18 May | 27 April | 17 May | 6 May | 15 April |
| Launzon Lake..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 18 April | 28 April | 19 April | 7 May | 29 April | 17 April |
| Nym Lake..... | 7 May | 27 May | 5 May | 10 May | 8 May | 8 May | 8 May | ..... | 15 May | ..... | 16 May | ..... | 2 May |
| Oba Lake..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 10 May | ..... | 28 April | ..... | 9 May | 4 May |
| Orient Bay..... | 7 May | 12 June | 18 May | 12 May | 23 May | 16 May | 7 May | 8 May | 21 May | 1 May | 1 June | 13 May | ** |
| Parry Sound..... | ..... | 6 May | 12 May | 13 April | 27 April | 17 April | 23 April | 30 Mar. | 20 April | 18 April | 3 May | 28 April | 21 April |
| Pays Plat..... | 30 April | 14 May | 8 May | 7 May | 18 May | 8 May | 2 May | 6 May | 11 May | 4 May | 15 May | 6 May | 2 May |
| Pickle Lake..... | 26 May | 2 June | 18 May | 9 May | 3 June | 17 May | 7 May | 13 May | 2 June | 6 May | 1 June | 13 May | 16 May |
| Port Arthur..... | 30 April | 16 May | 3 May | 30 April | 19 May | 2 May | 22 April | 30 April | 7 May | 22 April | 30 April | 29 April | 30 April |
| Red Lake..... | 7 May | 26 May | 13 May | 3 May | 29 May | 15 May | 3 May | 8 May | 21 May | 28 April | 19 May | 9 May | 2 May |
| Remi Lake..... | 15 May | 2 June | 10 May | 4 May | 23 May | 3 May | 2 May | 13 May | 19 May | 29 April | 21 May | 6 May | 7 May |
| Sault Ste. Marie... | 11 April | 30 April | 14 April | 7 April | 6 April | 9 April | 7 April | 27 Mar. | 13 April | 19 April | 3 May | 29 April | 26 Mar. |
| Sioux Lookout..... | 3 May | 20 May | 12 May | 1 May | 27 May | 12 May | 3 May | 7 May | 20 May | 27 April | 19 May | 10 May | 1 May |
| South Porcupine... | ..... | 27 May | 1 May | 3 May | 19 May | 30 April | 1 May | 5 May | 5 May | 27 April | 15 May | 6 May | 2 May |
| Sudbury..... | 13 April | 14 May | 27 April | 25 April | 12 April | 25 April | 28 April | 20 April | 29 April | 19 April | 9 May | 1 May | 18 April |
| Temagami..... | 23 April | 17 May | 27 April | 20 April | 15 May | 1 May | 1 May | 28 April | 4 May | 26 April | 17 May | 3 May | 2 May |
| Tweed..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 28 April | 18 April |
| Twin Lakes..... | 22 May | 8 June | 14 May | 14 May | 30 May | 1 May | 16 May | 13 May | 22 May | 6 May | 17 June | 10 May | 13 May |
| White River..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 11 May | 18 May | 29 April | 21 May | 10 May | 2 May |

**Moved to Port Arthur

*Moved to Nym Lake

AIR SERVICE BASE OPENING DATES

(or First Float Flying)—Cont'd

| BASE | 1959 | 1960 |
|-----------------------|----------|----------|
| Algonquin Park..... | 5 May | 2 May |
| Carey Lake..... | 12 May | 23 May |
| Caribou Lake..... | 15 May | 22 May |
| Chapleau..... | 4 May | 11 May |
| Fort Frances..... | 28 April | 4 May |
| Geraldton..... | 10 May | 18 May |
| Gogama..... | 6 May | 5 May |
| Ignace..... | 8 May | 12 May |
| Kenogami..... | 12 May | 18 May |
| Kenora..... | 30 April | 12 May |
| Lauzon Lake..... | 20 April | 2 May |
| Nym Lake..... | 8 May | 12 May |
| Oba Lake..... | 11 May | 23 May |
| Parry Sound..... | 27 April | 27 April |
| Pays Plat..... | 8 May | 12 May |
| Pickle Lake..... | 15 May | 20 May |
| Port Arthur..... | 24 April | 13 May |
| Red Lake..... | 14 May | 16 May |
| Remi Lake..... | 12 May | 19 May |
| Sault Ste. Marie..... | 8 April | 11 April |
| Sioux Lookout..... | 14 May | 16 May |
| South Porcupine..... | 8 May | 16 May |
| Sudbury..... | 1 May | 4 May |
| Temagami..... | 8 May | 11 May |
| Tweed..... | 27 April | 28 April |
| Twin Lakes..... | 15 May | 25 May |
| White River..... | 12 May | 20 May |

TORONTO: Year round.

FLYING TIME—PILOTS

| SURNAME | Initials | 1924-59 | 1959-60 | TOTAL |
|-------------------|----------|------------|-----------|------------|
| Allen..... | DW | 1,941:50 | 278:40 | 2,220:30 |
| Ballantyne.. | DE | 936:40 | 314:40 | 1,251:20 |
| Beaushene... | DG | 2,449:40 | 239:10 | 2,688:50 |
| Bieck..... | AH | 284:00 | 307:00 | 591:00 |
| Buckworth.. | WB | 3,019:15 | ..... | 3,019:15 |
| Burt..... | AE | 6,899:10 | 425:40 | 7,324:50 |
| Calver..... | DRH | 2,117:25 | 373:55 | 2,491:20 |
| Campbell.... | GE | 3,321:25 | 511:15 | 3,832:40 |
| Colfer..... | AP | 4,439:55 | 714:25 | 5,154:20 |
| Cooke..... | TC | 5,393:05 | 360:15 | 5,753:20 |
| Cram..... | WW | 293:55 | 360:30 | 654:25 |
| Croft..... | BR | 421:30 | 330:25 | 751:55 |
| Croal..... | DM | 319:50 | 323:30 | 643:20 |
| Denley..... | JG | 6,530:00 | 321:35 | 6,851:35 |
| Evans..... | FB | 3,502:20 | 268:10 | 3,770:30 |
| Fiskar..... | UW | 2,760:50 | 360:35 | 3,121:25 |
| Glennie..... | NA | 1,359:45 | 414:00 | 1,773:45 |
| Hoar..... | HA | 2,447:55 | 145:45 | 2,593:40 |
| Hoeberg.... | PS | 2,146:25 | 363:40 | 2,510:05 |
| Hugill..... | WA | 1,630:10 | 263:10 | 1,893:20 |
| Kincaid..... | J | 6,229:40 | 399:40 | 6,629:20 |
| Kirk..... | CJ | 3,730:10 | 364:25 | 4,094:35 |
| Lamont..... | JA | 2,806:25 | 315:40 | 3,122:05 |
| LeFeuvre.... | CJ | 7,872:25 | 426:40 | 8,299:05 |
| Lowe..... | B | 716:45 | 303:15 | 1,020:00 |
| MacDougall.. | FA | 4,898:15 | 78:05 | 4,976:20 |
| North..... | DH | 268:45 | 267:50 | 536:35 |
| Parsons..... | R | 6,755:30 | 192:00 | 6,947:30 |
| Ponsford.... | GE | 1,411:10 | 69:45 | 1,480:55 |
| Poulin..... | LD | 7,341:15 | 222:25 | 7,563:40 |
| Reid..... | DM | 3,722:00 | 124:00 | 3,846:00 |
| Siegel..... | J | 4,275:05 | 195:10 | 4,470:15 |
| Speight..... | HC | 6,103:45 | 522:20 | 6,626:05 |
| Stone..... | RWE | 4,834:30 | 425:20 | 5,286:50 |
| Smith..... | AB | 6,454:55 | 282:00 | 6,736:55 |
| Stewart..... | AL | 1,154:55 | 191:40 | 1,346:35 |
| Taylor..... | JM | 3,358:50 | 37:05 | 3,395:55 |
| Thomas..... | E | 2,811:25 | 212:40 | 3,024:05 |
| Thompson... | FJ | 1,949:10 | 183:55 | 2,133:05 |
| Trussler.... | GE | 6,760:00 | 214:15 | 6,974:15 |
| Turcotte.... | LG | 456:25 | 242:50 | 699:15 |
| Other Pilots..... | | 168,654:25 | 9:40 | 168,664:05 |
| | | 304,780:50 | 11,984:00 | 316,764:50 |

AIRCRAFT SERVICE RECORD

| 46 AIRCRAFT | Year Purchased | Effective Load (tons) 1959-60 | FLYING HOURS 1959-60 | 1924-60 |
|--------------------|-------------------|-------------------------------------|-------------------------|------------|
| 39 BEAVER | | | | |
| CF-OBS..... | 1948 | 22 | 113:05 | 4,428:05 |
| CF-OBT..... | 1948 | 8 | 50:45 | 3,742:30 |
| CF-OBV..... | 1948 | 182 | 413:10 | 3,751:40 |
| CF-OBV..... | 1948 | 28 | 144:50 | 3,880:15 |
| CF-OBW..... | 1948 | 123 | 294:55 | 3,438:55 |
| CF-OBX..... | 1948 | 85 | 253:15 | 4,020:25 |
| CF-OBV..... | 1948 | 88 | 180:10 | 3,635:45 |
| CF-OBZ..... | 1948 | 81 | 273:50 | 3,766:55 |
| CF-OCA..... | 1948 | 69 | 264:30 | 3,279:45 |
| CF-OCB..... | 1948 | 1 | 10:55 | 3,917:35 |
| CF-OCC..... | 1948 | 71 | 259:05 | 3,544:25 |
| CF- OCD..... | 1948 | 111 | 273:35 | 3,254:55 |
| CF-OCE..... | 1949 | 117 | 294:35 | 4,024:15 |
| CF-OCG..... | 1949 | 71 | 301:05 | 3,105:00 |
| CF- OCH..... | 1949 | 50 | 304:25 | 3,186:35 |
| CF-OCJ..... | 1949 | 97 | 384:20 | 2,878:25 |
| CF-OCK..... | 1949 | 26 | 106:45 | 3,382:45 |
| CF-OCL..... | 1949 | 105 | 310:45 | 3,384:30 |
| CF-OCN..... | 1949 | 79 | 264:50 | 3,724:15 |
| CF-OCO..... | 1949 | 108 | 351:40 | 3,414:55 |
| CF- OCP..... | 1949 | 238 | 295:15 | 3,423:20 |
| CF-OCQ..... | 1949 | 40 | 192:20 | 3,851:15 |
| CF-OCR..... | 1949 | 32 | 124:05 | 3,207:15 |
| CF-OCS..... | 1949 | 30 | 167:40 | 3,870:05 |
| CF-OCT..... | 1949 | 235 | 709:45 | 3,460:15 |
| CF-OCU..... | 1950 | 126 | 365:30 | 3,343:40 |
| CF-OCV..... | 1950 | 140 | 189:00 | 2,511:40 |
| CF-OCX..... | 1950 | 116 | 347:45 | 2,714:15 |
| CF-OCY..... | 1950 | 101 | 240:25 | 2,779:45 |
| CF-OCZ..... | 1950 | 31 | 152:25 | 2,226:55 |
| CF-ODA..... | 1951 | 71 | 424:40 | 2,841:15 |
| CF- ODB..... | 1951 | 174 | 361:15 | 3,231:15 |
| CF- ODC..... | 1951 | 38 | 219:55 | 3,711:05 |
| CF- ODD..... | 1951 | 7 | 71:15 | 795:30 |
| CF-ODE..... | 1951 | 41 | 245:35 | 2,092:40 |
| CF- ODF..... | 1952 | 93 | 329:05 | 2,886:35 |
| CF- ODG..... | 1952 | 81 | 401:20 | 2,811:50 |
| CF- ODO..... | 1955 | 16 | 92:00 | 498:45 |
| CF- ODS..... | 1956 | 7 | 60:55 | 238:55 |
| 6 OTTER | | | | |
| CF-ODJ..... | 1953 | 121 | 327:10 | 1,767:05 |
| CF-ODK..... | 1953 | 149 | 255:50 | 1,920:55 |
| CF- ODL..... | 1953 | 138 | 233:35 | 1,805:45 |
| CF- ODP..... | 1956 | 101 | 242:35 | 947:35 |
| CF- ODQ..... | 1956 | 328 | 343:50 | 1,303:55 |
| CF- ODT..... | 1957 | 174 | 484:50 | 1,238:30 |
| WIDGEON | | | | |
| CF- ODR..... | | 23 | 256:30 | 865:45 |
| All Other Aircraft | | | | 183,716:10 |
| TOTALS..... | | 4,198 | 11,984:00 | 315,823:45 |

HOURS FLOWN ON VARIOUS OPERATIONS (Summary as of March 31st)

| Year | Fire Ranging | Timber Mngt. | F & W Mngt. | Lands Parks | Re-search | Surveys | Photo Flying | Comm. Flying | Mercy Flights Hours | Total Flying Hours | Pas-sengers Carried, | Per-sonnel Carried | Effective Load (tons) |
|-----------|--------------|--------------|-------------|-------------|-----------|---------|--------------|--------------|---------------------|--------------------|----------------------|--------------------|-----------------------|
| 1924-1949 | 88,732 | ... | 2,985 | ... | 1,442 | ... | 1,415 | ... | 361 | 175,290 | 165,583 | 89,206 | 22,234 |
| 1950 | 6,926 | 604 | 1,644 | 110 | ... | ... | ... | 279 | ... | 13,531 | 30,687 | 5,918 | 3,432 |
| 1951 | 4,211 | 938 | 2,029 | 283 | 303 | ... | ... | 233 | 64 | 11,057 | 27,140 | 5,140 | 3,367 |
| 1952 | 5,498 | 903 | 2,086 | 153 | 360 | ... | 273 | 188 | 168 | 12,800 | 30,439 | 5,410 | 3,164 |
| 1953 | 5,278 | 674 | 1,980 | 149 | 266 | 97 | 280 | 150 | 56 | 11,889 | 25,900 | 5,346 | 3,079 |
| 1954 | 6,302 | 982 | 1,972 | 376 | 386 | 124 | 187 | 574 | 53 | 13,564 | 31,109 | 7,245 | 3,918 |
| 1955 | 5,095 | 1,048 | 2,362 | 246 | 284 | 181 | 244 | 398 | 35 | 12,389 | 29,256 | 5,465 | 3,429 |
| 1956 | 11,396 | 835 | 2,333 | 181 | 192 | 128 | 130 | 458 | 55 | 17,785 | 46,478 | 6,723 | 6,091 |
| 1957 | 5,347 | 986 | 2,289 | 180 | 199 | 72 | 148 | 384 | 34 | 11,692 | 28,789 | 5,099 | 3,481 |
| 1958 | 5,652 | 801 | 2,837 | 190 | 212 | 23 | 24 | 327 | 44 | 12,506 | 28,636 | 5,349 | 3,497 |
| 1959 | 4,275 | 876 | 3,615 | 200 | 189 | 15 | ... | 421 | 39 | 12,278 | 27,506 | 5,197 | 4,871 |
| 1960 | 4,053 | 883 | 3,569 | 209 | 228 | 11 | ... | 475 | 42 | 11,984 | 27,600 | 4,926 | 4,198 |
| TOTAL | 152,763 | 9,530 | 29,702 | 2,277 | 4,061 | 650 | 2,701 | 3,885 | 950 | 316,765 | 499,123 | 151,024 | 70,811 |

DEPARTMENT RADIO STATIONS

(As at June 29, 1960)

| DISTRICT | STATION | CALL SIGN | NORMAL OPERATING FREQUENCIES | |
|---------------------|---------------------|--------------|---------------------------------|----------------|
| | | | H.F. Kc/s | V.H.F. Mc/s |
| FORT FRANCES | Fort Frances | XLN21 | 4460 | 46.62 |
| | Lac La Croix | XLN22 | " | " |
| | Atikokan | XLQ71 | | " |
| | Rainy River | XLR59 | | " |
| | French Lake | XMN23 | " | " |
| | Nym Lake | XLN234 | " | " |
| | Cache Bay | XLN233 | " | " |
| | Prairie Portage | XLN232 | " | " |
| | Cabin 16 | XLN29 | " | |
| KENORA | Kenora | XLN34 | 4460 | 46.78 |
| | Minaki | XLN32 | " | " |
| | Sioux Narrows | XLN42 | " | " |
| | Dryden | XLN35 | " | " |
| | Nestor Falls | XLN24 | | " |
| | Vermillion Bay | XLS87 | | " |
| | Dymont | XLO96 | | " |
| | McIntosh | XLN27 | " | |
| | Cedar Lake | XLN75 | " | |
| SIOUX LOOKOUT | Sioux Lookout | XLN37 | 4460 | 46.86 |
| | Red Lake | XLN43 | " | |
| | Pickle Lake | XLN38 | " | |
| | Armstrong | XLN40 | " | |
| | Sturgeon Lake | XLQ74 | " | |
| | Ear Falls | XMN50 | " | |
| | Winisk | XLR62 | " | |
| | Ignace | XLN23 | " | " |
| PORT ARTHUR | Port Arthur | XLN45 | 4580 | 46.70 |
| | Shebandowan | XLN47 | " | " |
| | Black Sturgeon Lake | XLN48 | " | " |
| | Upsala | XLN217 | " | " |
| | Saganaga Lake | XLN218 | " | " |
| GERALDTON | Geraldton | XLQ35 | 4580 | 46.78 |
| | Pays Plat | XLN56 | " | |
| | Marathon | XLN54 | " | |
| | Killala Lake | XLN55 | " | |
| | Hillsport | XLQ46 | " | " |
| | Nakina | XLS53 | " | " |
| | Longlac | XLS52 | " | " |
| | Macdiarmid | XLN49 | " | " |
| WHITE RIVER | White River | XLQ78 | 4880 | 46.62 |
| | Franz | XLN62 | " | " |
| | Wawa | XLN63 | " | |
| | Movert | XLN61 | " | |
| | Manitouwadge Lake | XMN25 | " | |
| SAULT STE. MARIE | Sault Ste. Marie | XLN58 | 4880 | 46.78 |
| | Blind River | XLN65 | " | " |
| | Peshu Lake | XLQ41 | " | |
| | Sand Lake | XLQ77 | " | |
| | Pancake Bay | XLR39 | " | |
| | Kirkwood | XLP44 | | " |
| | Mount Lake | XLR69 | " | " |
| | Camp 4 | XLR70 | " | " |

DEPARTMENT RADIO STATIONS—Cont'd

(As at June 29, 1960)

| DISTRICT | STATION | CALL SIGN | NORMAL OPERATING FREQUENCIES | |
|------------------|-------------------|----------------|---------------------------------|----------------|
| | | | H.F. Kc/s | V.H.F. Mc/s |
| GOGAMA | Gogama | XLN78 | 4880 | 46.82 |
| | Elsas | XLN79 | " | " |
| | Foleyet | XLN84 | " | " |
| | Opishing Lake | XMN42 | " | " |
| | Ronda | XLP69 | " | " |
| CHAPLEAU | Chapleau | XLN82 | 4880 | 46.70 |
| | Missanabie | XLR52 | " | " |
| | Sultan | XLQ73 | " | " |
| | Biscotasing | XLN80 | " | " |
| | Unegam Lake | XLN205 | " | " |
| SUDBURY | Sudbury | XLN77 | 4880 | 46.86 |
| | Skead | XLQ80 | " | " |
| | Espanola | XLQ44 | " | " |
| | Jamot | XLR30 | " | " |
| | Massey | XLR29 | " | " |
| | Windy Lake | XLR67 | " | " |
| | Southbaymouth | XLS86 | " | " |
| | Sandfield | XLR68 | " | " |
| | Stinson | XLN239 | 4880 | " |
| | Fairbank Lake | XLN39 | 4880 | 48.68 |
| | Killarney | XLS85 | " | 46.86 |
| KAPUS- KASING | Kapuskasing | XLO26 | 4535 | 46.86 |
| | Hearst | XLN69 | " | " |
| | Hornepayne | XLN73 | " | " |
| | Oba | XLN74 | " | " |
| | Nagogamisis Lake | XLN237 | " | " |
| | Rogers Township | XLR71 | | " |
| COCHIRANE | Cochrane | XLQ37 | 4535 | 46.78 |
| | Timmins | XLN70 | " | " |
| | Wade Lake | XLQ45 | " | " |
| | Moosonee | XMN43 | " | " |
| | Smooth Rock Falls | XLQ76 | | " |
| | Nellie Lake | XLN208 | | " |
| | Kettles Park Lake | XLN209 | | " |
| SWASTIKA | Swastika | XLN68 | 4535 | 46.62 |
| | Elk Lake | XLN72 | " | " |
| | Matheson | XLS54 | | " |
| | Larder Lake | XLN95 | | " |
| | Matachewan | XLN60 | | " |
| | Gowganda | XLO90 | | " |
| | Hills Lake | XLO89 | | " |
| | Englehart | XLR64 | | " |
| | Burt Twp. Nursery | XLN212 | | " |
| NORTH BAY | North Bay | XLN83 | 4520 | 46.78 |
| | Temagami | XLN81 | " | " |
| | Lady Evelyn Lake | XLN42 | " | " |
| | McLaren's Bay | XLN207 | " | " |
| | Haddo | XLP45 | " | " |
| | Devils Lake | not yet issued | | |
| | Field | " | | |

DEPARTMENT RADIO STATIONS—Cont'd

(As at June 29, 1960)

| DISTRICT | STATION | CALL SIGN | NORMAL OPERATING FREQUENCIES | |
|----------------------------|------------------|----------------|---------------------------------|----------------|
| | | | H.F. Kc/s | V.H.F. Mc/s |
| PEMBROKE | Pembroke | XLN92 | 4520 | 46.86 |
| | Smoke Lake | XLN90 | " | |
| | Brent | XLN91 | " | |
| | Stonecliffe | XLN94 | " | |
| | Whitney | XLQ43 | " | |
| | Achray | XLQ47 | " | |
| | Round Lake | XLR40 | " | |
| PARRY SOUND | Parry Sound | XLN89 | 4520 | 46.62 |
| | Loring | XLN93 | | " |
| | Powassan | XMN35 | | " |
| | Byng Inlet | XLS24 | | " |
| | Ardbeg | XMN33 | | " |
| | Dorset | XMN34 | | " |
| | Bracebridge | XMN75 | | " |
| TWEED | Tweed | XLQ69 | 4775 | 46.70 |
| | Bancroft | XLQ50 | " | " |
| | Palmer Rapids | XLR41 | " | " |
| | Dacre | XLS23 | " | " |
| | Plevna | XLN53 | " | " |
| | Gilmour | XMN40 | | " |
| | White Lake | XLP75 | | " |
| | Napanee | XLQ31 | | " |
| | Green Lake | XLR61 | " | |
| LINDSAY | Lindsay | XLR57 | 4775 | 46.78 |
| | Minden | XLQ70 | " | " |
| | Gooderham | XMN27 | " | " |
| | Haliburton | XLR43 | " | " |
| | Peterborough | XLR63 | | " |
| | Presqu'ille Park | XLN46 | | " |
| | Apsley | XMN44 | | " |
| | Ranger School | XLN25 | " | |
| KEMPTVILLE | Kemptville | XMN41 | 4775 | 46.62 |
| | La Rose | not yet issued | | |
| LAKE ERIE | Aylmer | XLO52 | 4775 | |
| | St. Williams | XMN28 | " | |
| | Rondeau Park | XLR60 | " | |
| | Pinery Park | XLP90 | " | |
| LAKE SIMCOE | Coldwater | XMN36 | 4775 | 46.82 |
| | Severn Falls | XMN37 | " | " |
| | Honey Harbour | XMN39 | " | " |
| | Six Mile Lake | XLR85 | " | " |
| HEAD OFFICE* Toronto | Island Airport | XLO53 | 4775 | |
| | Maple Laboratory | XLN20 | " | |
| | Maple | XLP22 | 4520 | 46.62 |
| | | | 4535 | 46.70 |
| | | | 4775 | 46.74 |
| | | | 4880 | 46.78 |
| | | | 5410 | 46.82 |
| | | | 5499 | 46.86 |
| | | | 9160 | |

*Maple frequently uses 5410 and 9160 Kc/s. to reach District Office stations; answers aircraft on their own frequency.

LANDS AND SURVEYS BRANCH

SURVEYOR-GENERALS OR DIRECTORS OF SURVEYS

| | | |
|----------------------------|-----------|--------------------------------------|
| Samuel Holland | | |
| Northern District of | | |
| North America | 1764-1801 | Surveyor-General |
| Sir D. W. Smith | 1801-1805 | Surveyor-General |
| C. B. Wyatt | 1806- | Surveyor-General |
| Thomas Ridout | 1807-1829 | Surveyor-General |
| Hon. S. P. Hurd | 1832-1835 | Surveyor-General |
| J. Macaulay | 1836-1838 | Surveyor-General |
| Hon. R. B. Sullivan . . . | 1838-1840 | Surveyor-General |
| Thos. Parke | 1841-1845 | Surveyor-General |
| *G. B. Kirkpatrick | 1880-1917 | Director of Surveys |
| *L. V. Rorke | 1918-1928 | Director of Surveys |
| †L. V. Rorke | 1928-1936 | Deputy Minister/ Surveyor-General |
| ‡C. H. Fullerton | 1936-1946 | Surveyor-General |
| F. W. Beatty | 1946- | Surveyor-General |

* Office of Surveyor-General abolished 17th March, 1845, by Provincial Statute 8 Vic., Chap. XI, Sec. 1, which consolidated the Department and office under the Commissioner of Crown Lands.

† Office of Surveyor-General re-established by Provincial Statute 18 Geo. V., Chap. 9, 1928, as Deputy Minister to be known as Surveyor-General, under Public Lands Act.

‡ Act of 1928 amended in 1942 by Statute Law Amendment Act and office of Surveyor-General re-established, under Public Lands Act.

Township boundaries were surveyed in the vicinity of Kingston in 1784, under instructions from Samuel Holland, the Surveyor-General of Northern District of North America.

LANDS AND SURVEYS BRANCH

Chief: F. W. BEATTY

Assistant Chief:

Lands Section

Supervisor: R. G. Code

Disposition of Crown Lands

Patents Leases

Licences of Occupation

Engineering—Dams, Buildings, Hatcheries

Field Staff Clerical Staff

Surveys Section

Supervisor: W. F. Weaver

Surveys of Crown Lands Survey Records

Cartography—Map Compilation, Statistics

Field Staff Draughting

Clerical Staff Equipment

Special Staff

F. W. Beatty's Clerical Staff

Land Use Planning

Provincial Boundaries

Geographic Names

Special Assignments

Accounts

Roads

Department Consultants

By Order in Council dated the 18th of November, 1791, the Province of Quebec was divided into two Provinces, to be called the Province of Upper and Lower Canada. Upper Canada was to include all the territory to the westward and southward of the line described, which is the present eastern boundary of Ontario, to the utmost extent of the country commonly called or known by the name of Canada.

Various systems of surveying the townships into lots or sections for disposition of Crown land have been adopted. The periods during which these systems were used and the types of systems are as follows:

1783-1818—single front

1787-1813—front and rear

1818-1829—double front

1829-1851—2,400-acre block

1835-1906—1,000-acre block

1859 —Townships 6 miles square—no road allowances—Townships divided into 36 sections.

1872 —Townships 6 miles square—no road allowances—6 concessions and 12 lots.

1876 —Township—similar manner to Dominion Land Survey system—36 sections with $1\frac{1}{2}$ chain road allowances around each section.

1906 —1,800-acre blocks.

The eastern boundary of Ontario was surveyed from Lake Timiskaming north to mile 42 in 1874; to mile 88 in 1905; to mile 140 in 1906; to mile 208 in 1907 and to James Bay in 1931.

The western boundary was surveyed from the Lake of the Woods to the Winnipeg River—1897-98; to the 12th Base Line, D.L.S. System, 1921-22; to the most easterly point of Island Lake—1929-30; to the Echoing River in 1937 and to Hudson Bay, 1947-48. Erection of permanent monuments, chaining, etc., from Island Lake to Hudson Bay was carried out in 1950.

The general prosperity and employment is reflected in the requests for Crown lands for summer resort camp sites. Approximately 400 such resorts were surveyed in 1946 and 2,660 in 1958. This work has necessitated the retracement

surveys, where the original surveys had become obliterated, particularly in the Muskoka, Parry Sound and Haliburton areas.

In 1922 the Department commenced sketching and mapping types of forested areas from oblique aerial photographs. Since 1926 vertical photographs have been used and in 1954 an aircraft of the Otter type was purchased for aerial photography. Aerial photographs had been taken by members of our staff of an area of approximately 248,323 square miles up to March 31st, 1958.

The Beds of Navigable Waters Act was passed in 1911 and The Water Powers Regulations Act in 1916 and, by virtue of these Acts, leases have been granted for development of power plants with a total installed capacity of 2,561,000 horse-power. The installed capacity of plants not under lease from the Province is estimated to be 2,900,000 horse-power. This includes the plants at Niagara.

Under the provisions of The Lakes and Rivers Improvement Act, plans of all dams constructed on rivers and streams must be submitted to the Department of Lands and Forests for approval before being constructed. The Department regulates the discharge of water from lakes where dams have been rebuilt by the Department of Public Works for conservation, the propagation of fish and wildlife and forest protection.

The Division of Surveys was formed in 1941 and re-organized as Division of Surveys and Engineering in 1944. It was united with former Division of Lands in 1957 to form Division of Surveys with two Branches: Lands and Surveys. In 1959, the Division was named Lands and Surveys Branch and the former Branches were named Sections.

F. W. Beatty was appointed Surveyor-General on May 1st, 1946.

LANDS SECTION

The fact that the Department of Crown Lands came into being in 1827 has its own significance. In the then growing Province land was the big item. They burned timber to get at it, the prime need being cultivation and there was a limited market for lumber.

Before that, however, Upper Canada became a Province with its own legislature. The Hon. John Graves Simcoe's proclamations and the tiny legislature's enactments made the first administrative efforts.

The influx of U. E. Loyalists, the manipulations of Colonization land companies and the impact of immigration brought their problems.

Clergy Reserves, the cause of discontent, the war of 1812, and the rebellion of 1837, were tribulations of the land administrators.

The Lands Branch of the Provincial Administration actually came into being, however, in 1827 under the Hon. Peter Robinson. Some of its problems are recited in the first printed annual report in 1857.

The annual report for 1867 states, "Previous to Confederation separate accounts were not kept of the Woods and Forests revenue". Lands had been the thing. The basic titles of all privately owned land in Ontario are in its records.

The earlier Lands Branch became a separate Division in 1941 but was re-organized as a Branch within the Division of Surveys in 1957 and re-named as Section in 1959.

RE. PINE TREE RESERVATIONS IN FREE GRANT PATENTS

Commencing immediately subsequent to Confederation, the Act of 1868, being 31 Victoria, Chap. 8, reserved pine trees on land located as free grants, but passed the pine trees to the grantee with the land when patent issued.

The above provision obtained until 1880 when by 43 Victoria, Chap. 4, pine trees were reserved in locations subject to certain restricted cutting permitted by locatees, but when patent issued, all the pine trees were reserved to

the Crown. This applied to all patents issuing subsequent to March 5th, 1880, and the reservation of pine trees continued through to 1937 except that in 1913, there was an amendment to The Public Lands Act which provided that where land was not in timber licence and the locatee was in residence with improvements, he could request that pine trees be included in the patent, or in the event that patent had previously issued he could request a pine patent.

The Free Grants and Homesteads Act of 1908, provided for the opening of land with the approval of the Lieutenant-Governor in Council, which had not previously been opened and which had not for any reason been withdrawn from settlement and upon such land being opened all patents of land therein included the pine trees if the land was not under timber licence.

NOTE: The Rainy River Homesteads Act, being Chap. 30 of the Statutes of 1897, reserved by sections 12 and 13 all the pine trees in the location, but all pine trees remaining on the land at the date of patent passed with the patent. This provision was carried through into the Consolidation of Acts relating to public lands and is incorporated in The Public Lands Act of 1913.

NOTE: The territorial District of Rainy River included the present Districts of Rainy River and Kenora up to 1908, when by The Territorial Divisions Act the area was separated into what is now known as the Districts of Fort Frances and Kenora.

SUMMER RESORT LANDS
In Fiscal Year Ending March 31st

| Year | Sales | Acres | Cancellations | Acres | Assignments | Acres | Patents | Acres | Surveys |
|-----------|-------|-------|---------------|-------|-------------|-------|---------|-------|---------|
| 1941..... | 169 | 516 | 4 | 8 | .. | ... | 126 | 469 | ... |
| 1942..... | 126 | 423 | 1 | 1 | 2 | 6 | 98 | 361 | ... |
| 1943..... | 169 | 462 | ... | ... | .. | ... | 127 | 421 | ... |
| 1944..... | 344 | 948 | 10 | 25 | 3 | 5 | 231 | 659 | ... |
| 1945..... | 459 | 1,180 | 11 | 20 | 9 | 15 | 206 | 1,525 | 330 |
| 1946..... | 535 | 1,411 | 11 | 35 | 14 | 32 | 277 | 781 | 358 |
| 1947..... | 666 | 1,841 | 6 | 6 | 37 | 186 | 496 | 1,764 | 388 |
| 1948..... | 700 | 1,700 | 26 | 69 | 34 | 139 | 446 | 1,153 | 692 |
| 1949..... | 1,010 | 2,336 | 45 | 218 | 40 | 107 | 756 | 1,984 | 1,199 |
| 1950..... | 1,202 | 2,512 | 77 | 610 | 38 | 95 | 1,046 | 2,613 | 1,435 |
| 1951..... | 1,360 | 2,484 | 62 | 112 | 50 | 94 | 1,125 | 2,294 | 1,737 |
| 1952..... | 1,601 | 2,769 | 75 | 148 | 35 | 319 | 1,294 | 3,363 | 1,800 |
| 1953..... | 1,290 | 2,278 | 73 | 183 | 40 | 127 | 1,263 | 2,287 | 1,458 |
| 1954..... | 1,435 | 2,133 | 76 | 447 | 37 | 72 | 1,312 | 2,168 | 1,752 |
| 1955..... | 1,278 | 1,871 | 84 | 166 | 28 | 42 | 1,479 | 2,438 | 1,670 |
| 1956..... | 1,176 | 1,614 | 108 | 183 | 12 | 17 | 1,384 | 2,089 | 1,269 |
| 1957..... | 714 | 958 | 61 | 124 | 17 | 17 | 1,164 | 1,411 | 1,207 |
| 1958..... | 1,344 | 1,678 | 36 | 53 | 13 | 15 | 962 | 1,350 | 2,083 |
| 1959..... | 2,155 | 2,517 | 27 | 28 | 19 | 23 | 1,220 | 1,588 | 2,660 |
| 1960..... | 2,418 | 2,345 | 33 | 49 | 29 | 25 | 1,946 | 2,010 | 2,307 |

FREE GRANT LAND
In Fiscal Year Ending March 31st

| Year | Locations | Acres | Cancellations | Acres | Assignments | Acres | Patents | Acres Patented |
|-----------|-----------|-------|---------------|--------|-------------|--------|---------|----------------|
| 1944..... | 20 | 2,694 | 528 | 64,783 | 89 | 113,10 | 218 | 28,610 |
| 1945..... | 21 | 2,308 | 678 | 83,655 | 116 | 14,441 | 226 | 29,266 |
| 1946..... | 49 | 5,737 | 545 | 61,459 | 120 | 14,214 | 216 | 26,068 |
| 1947..... | 73 | 8,243 | 449 | 51,906 | 122 | 15,523 | 168 | 21,668 |
| 1948..... | 67 | 8,649 | 403 | 48,578 | 64 | 8,415 | 164 | 22,119 |
| 1949..... | 49 | 5,872 | 280 | 30,536 | 54 | 7,085 | 107 | 14,360 |
| 1950..... | 48 | 6,192 | 336 | 40,732 | 62 | 7,200 | 196 | 24,287 |
| 1951..... | 28 | 3,608 | 289 | 35,371 | 56 | 7,747 | 150 | 19,826 |
| 1952..... | 27 | 3,411 | 159 | 19,785 | 37 | 5,069 | 165 | 21,411 |
| 1953..... | 36 | 4,655 | 181 | 21,874 | 25 | 3,452 | 120 | 16,131 |
| 1954..... | 24 | 2,757 | 250 | 30,784 | 19 | 2,618 | 136 | 17,713 |
| 1955..... | 17 | 1,823 | 209 | 25,755 | 7 | 1,005 | 87 | 11,219 |
| 1956..... | 20 | 2,708 | 114 | 12,661 | 4 | 517 | 59 | 7,501 |
| 1957..... | 8 | 878 | 78 | 8,727 | 1 | 151 | 47 | 6,089 |
| 1958..... | 6 | 796 | 60 | 6,950 | 1 | 156 | 48 | 6,483 |
| 1959..... | 4 | 462 | 43 | 4,689 | 1 | 160 | 36 | 4,658 |
| 1960..... | 4 | 386 | 48 | 4,597 | 1 | 50 | 44 | 5,911 |

AGRICULTURAL LAND SALES, ETC.

In Fiscal Year Ending March 31st

| Year | No. of Sales | Acres | No. of Cancellations | Acres | No. of Assignments | Acres | No. of Patents | Acres |
|-----------|-----------------|--------|-------------------------|--------|-----------------------|--------|-------------------|--------|
| 1944..... | 325 | 31,934 | 445 | 39,615 | 177 | 20,124 | 359 | 43,845 |
| 1945..... | 269 | 27,158 | 562 | 49,651 | 152 | 16,002 | 315 | 36,307 |
| 1946..... | 281 | 26,535 | 438 | 42,933 | 162 | 17,464 | 321 | 36,683 |
| 1947..... | 303 | 29,757 | 338 | 29,470 | 222 | 22,801 | 433 | 52,189 |
| 1948..... | 280 | 29,506 | 402 | 37,069 | 185 | 21,667 | 299 | 32,929 |
| 1949..... | 277 | 28,740 | 378 | 35,095 | 105 | 12,392 | 225 | 26,435 |
| 1950..... | 267 | 26,671 | 327 | 32,452 | 113 | 12,145 | 316 | 35,483 |
| 1951..... | 195 | 19,228 | 221 | 22,134 | 69 | 7,673 | 256 | 28,104 |
| 1952..... | 223 | 24,420 | 143 | 13,358 | 71 | 7,313 | 242 | 26,474 |
| 1953..... | 186 | 21,965 | 221 | 21,645 | 70 | 7,560 | 256 | 29,319 |
| 1954..... | 144 | 14,534 | 131 | 13,049 | 50 | 4,484 | 256 | 29,123 |
| 1955..... | 158 | 15,232 | 161 | 17,377 | 92 | 4,131 | 188 | 21,265 |
| 1956..... | 117 | 12,230 | 184 | 18,513 | 26 | 3,008 | 148 | 17,892 |
| 1957..... | 82 | 8,683 | 191 | 19,038 | 15 | 1,461 | 126 | 14,882 |
| 1958..... | 101 | 10,543 | 174 | 17,087 | 7 | 807 | 150 | 15,471 |
| 1959..... | 101 | 10,607 | 141 | 13,788 | 12 | 1,227 | 110 | 11,644 |
| 1960..... | 68 | 6,758 | 59 | 5,788 | 3 | 211 | 105 | 10,980 |

LAND USE PERMITS

In Fiscal Year Ending March 31st

| Year | Hunt Camp | Trappers Cabin | Residence and Garden | Agricul- ture | Marsh Hay | Mill Site | Sugar Bush | Boat House | Misc. | Dept. Houses | Rondeau Park |
|-----------|--------------|-------------------|----------------------------|------------------|--------------|--------------|---------------|---------------|-------|-----------------|-----------------|
| 1944..... | 157 | 8 | 429 | 68 | 76 | 105 | 9 | 27 | 88 | .... | ... |
| 1945..... | 254 | 30 | 392 | 114 | 63 | 137 | .. | 31 | 131 | 89 | ... |
| 1946..... | 321 | 31 | 398 | 138 | 95 | 156 | .. | 44 | 251 | 236 | ... |
| 1947..... | 391 | 25 | 570 | 201 | 38 | 172 | 10 | 56 | 95 | 330 | ... |
| 1948..... | 464 | 47 | 489 | 233 | 15 | 197 | 2 | 80 | 307 | 377 | ... |
| 1949..... | 543 | 33 | 446 | 129 | 57 | 170 | 2 | 77 | 370 | 501 | 255 |
| 1950..... | 786 | 18 | 386 | 122 | 67 | 175 | 4 | 42 | 265 | 1,262 | 143 |
| 1951..... | 796 | 32 | 261 | 66 | 56 | 231 | 6 | 79 | 599 | 1,617 | 148 |
| 1952..... | 866 | 13 | 259 | 47 | 34 | 239 | .. | 76 | 643 | 1,758 | 153 |
| 1953..... | 957 | ... | 299 | 34 | 24 | 187 | 1 | 69 | 400 | 1,671 | 167 |
| 1954..... | 1,064 | 4 | 224 | 35 | 19 | 169 | .. | 41 | 563 | 1,964 | 191 |
| 1955..... | 1,220 | 29 | 246 | 34 | 10 | 180 | 9 | 102 | 683 | 2,046 | ... |
| 1956..... | 1,234 | 200 | 435 | 130 | 29 | 216 | 5 | 216 | 453 | 2,543 | ... |
| 1957..... | 1,248 | 328 | 459 | 84 | 36 | 215 | 5 | 237 | 537 | 2,613 | ... |
| 1958..... | 1,352 | 218 | 514 | 79 | 37 | 184 | 1 | 252 | 509 | 2,858 | ... |
| 1959..... | 1,190 | 279 | 514 | 89 | 31 | 214 | 3 | 368 | 365 | 3,121 | ... |
| 1960..... | 1,689 | 226 | 503 | 65 | 45 | 149 | 3 | 344 | 416 | 3,107 | ... |

Variations are, for the most part, due to cancellations or issue of patents.

DISPOSITION OF LAND BY PATENT

In Year Ending March 31st, 1960

| | ACRES |
|-------------------------|--------|
| Agriculture | 11,380 |
| Summer Resort | 2,011 |
| Special Use | 10,374 |
| Free Grant | 5,910 |
| | <hr/> |
| TOTAL | 29,675 |

LANDS ACQUIRED BY THE CROWN

| | |
|--|--------|
| Provincial Tax Forfeitures | 19,525 |
| Parks | 3,134 |
| Private Land Purchased or Otherwise Acquired | 2,563 |
| | <hr/> |
| TOTAL | 25,222 |

DISTRIBUTION OF LITHOGRAPHED MAPS

| FISCAL YEAR | Free Issues 20, 20-A | District | Island | Townships 42-A | Electoral 33-A | Misc. | Provincial Total | National* Topographic | Grand Total |
|-------------|----------------------------|----------|--------|-------------------|-------------------|--------|---------------------|--------------------------|----------------|
| 1947..... | 3,650 | 7,378 | 600 | 1,772 | 141 | 3,103 | 16,644 | 10,535 | 27,179 |
| 1948..... | 1,975 | 7,373 | 168 | 506 | 25 | 1,100 | 11,147 | 11,215 | 22,362 |
| 1949..... | 4,800 | 8,169 | 357 | 1,004 | 169 | 2,030 | 16,529 | 15,241 | 31,770 |
| 1950..... | 1,896 | 7,560 | 1,255 | 510 | 152 | 5,062 | 16,435 | 17,013 | 33,448 |
| 1951..... | 2,814 | 6,730 | 650 | 370 | 61 | 3,433 | 14,058 | 21,435 | 35,493 |
| 1952..... | 2,096 | 9,426 | 932 | 285 | 311 | 3,292 | 16,342 | 24,139 | 40,481 |
| 1953..... | 1,990 | 8,156 | 791 | 330 | 207 | 4,150 | 15,624 | 30,310 | 45,934 |
| 1954..... | 2,734 | 9,254 | 593 | 216 | 64 | 5,167 | 18,028 | 34,459 | 52,487 |
| 1955..... | 3,045 | 12,137 | 607 | 459 | 250 | 8,766 | 25,264 | 48,283 | 73,547 |
| 1956..... | 2,113 | 10,475 | 882 | 576 | 839 | 1,254 | 16,139 | 48,604 | 64,743 |
| 1957..... | 2,212 | 11,687 | 671 | 398 | 190 | 12,776 | 27,934 | 50,013 | 77,947 |
| 1958..... | 1,831 | 12,592 | 345 | 491 | 126 | 1,890 | 17,275 | 62,048 | 79,323 |
| 1959..... | 2,435 | 9,071 | 462 | 448 | 259 | 10,400 | 23,075 | 68,787 | 91,862 |
| 1960..... | 1,285 | 9,728 | 345 | 829 | 320 | 8,369 | 20,976 | 68,891 | 89,767 |

*National Topographic, except those for official use, are for resale.

LAW BRANCH .

The Department has retained a solicitor on its staff for many years and, in the re-organization in the year ending March 31st, 1942, the Division of Law was established. The Division was discontinued in 1950 but re-established on March 1st, 1955. It was re-organized as Law Section on December 3rd, 1957, becoming Law Branch on December 1st, 1959.

G. H. Ferguson was appointed Supervisor on December 1st, 1957.

It is the function of the Law Branch to act in an advisory capacity to the Minister and his deputies on the legal aspects of matters affecting the administration of the Department. It provides legal counsel for, and performs the legal work of, the Department.

The Acts administered by the Department, and their purposes, are as follows.

THE BEDS OF NAVIGABLE WATERS ACT--Establishment of the principle of interpretation of letters patent granting land, that the bed of a navigable water is not granted unless the letters patent contain an express grant.

THE CROWN TIMBER ACT, 1952—The Act provides for the granting of cutting rights to Crown timber, forest management, examination and licensing of scalers, licensing of mills, and the establishment of Provincial Forests and the sale or lease of land therein.

THE FISH INSPECTION ACT, 1955—The Act provides for the regulation and inspection of the sale of fish insofar as the Province has jurisdiction.

THE FOREST FIRES PREVENION ACT, 1952—The Act provides for the prevention and control of forest fires in the parts of Ontario declared to be Fire Districts by regulations made under the Act. It includes such subjects as honorary fire wardens, fire permits, forest travel permits, work permits, and agreements and responsibility in respect to fires.

THE FORESTRY ACT, 1952—The Act authorizes the Minister to enter into long-term agreements with land-owners for the management of land for multi-purpose forestry. It provides for tree nurseries and the regulation of the sale of nursery stock.

LAW BRANCH

Supervisor: G. H. FERGUSON

Solicitors:

W. R. Anderson

D. A. Crosbie

Secretary

Stenographic Staff

THE GAME AND FISHERIES ACT—The Act provides for the management of the wildlife resources of Ontario and covers matters relating to fish and fisheries within the jurisdiction of the Province.

THE LAKE AND RIVERS IMPROVEMENT ACT—The Act is designed primarily to regulate lakes and rivers for the safe and orderly floating of timber, and to regulate the use of dams and other works to afford to persons having diverse interests a fair and reasonable use of lakes and rivers.

THE PROVINCIAL LAND TAX ACT—The purpose of the Act is to provide for the assessment, levy and collection of taxes and improvements in areas without municipal organization.

THE PROVINCIAL PARKS ACT, 1958—The Act provides for the establishment, control and management by the Minister of Provincial Parks other than parks under the Niagara Parks Commission or the St. Lawrence Development Commission.

THE PUBLIC LANDS ACT—The Act provides that the Department of Lands and Forests shall be presided over by the Minister of Lands and Forests. It authorizes the appointment of the Deputy Minister, the Surveyor-General and the Advisory Committee to the Minister by the Lieutenant-Governor in Council. It provides for the management, sale and disposition of public lands.

THE RAILWAY FIRE CHARGE ACT—The Act provides for the levy and collection of a railway fire charge (fire protection) in respect of lands granted as railway lands in areas without municipal organization.

THE SETTLERS' PULPWOOD PROTECTION ACT—The Act provides for the regulation of the sale, and the price, of pulpwood cut from settlers' lands.

THE SPRUCE PULPWOOD EXPORTATION ACT—The Act provides for the exportation (under the authority of an Order-in-Council) of spruce pulpwood from lands granted under special Acts which prohibited such export.

THE SURVEYS ACT, 1958—The Act concerns the procedures and techniques governing the making of surveys.

THE TREES ACT—The Act provides for the passing of by-laws by municipalities (subject to the approval of the Minister of Lands and Forests) for the protection of trees and for reforestation. It provides that a landowner (with the consent of an adjoining owner) may plant trees on the common boundary, and that the trees become the common property of the owners.

THE WATER POWERS REGULATION ACT—The Act imposes a duty on every holder of a water power to insure the economical and efficient use of water power used by him. It provides for the appointment of inspectors. This is the Act under which the Minister grants Water Power Lease Agreements.

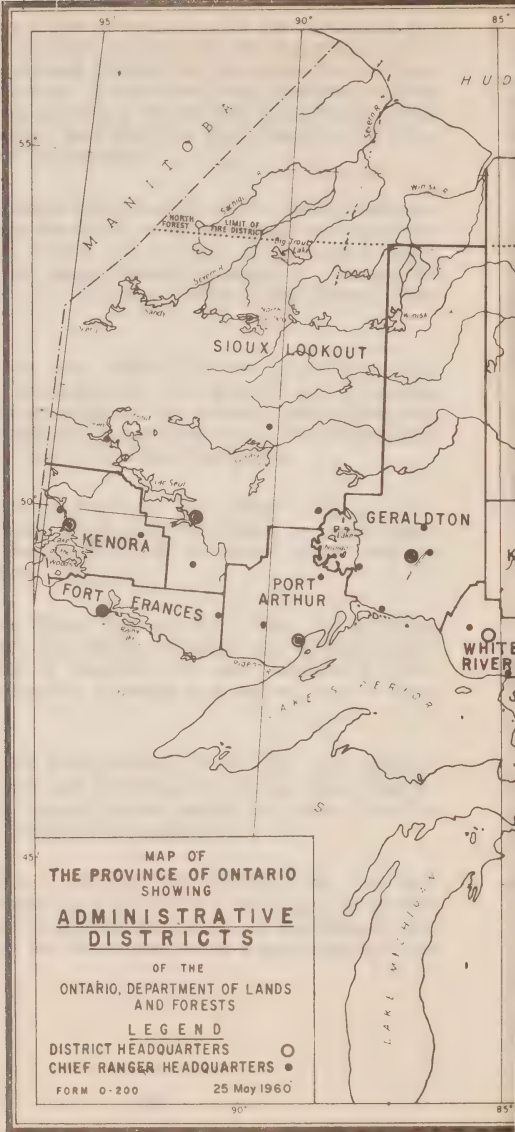
THE WILDERNESS ACT, 1959—The Act provides for the establishment, management and control of wilderness areas which are set aside for the preservation of the area (as nearly as possible in its natural state) for research and educational activities and similar purposes.

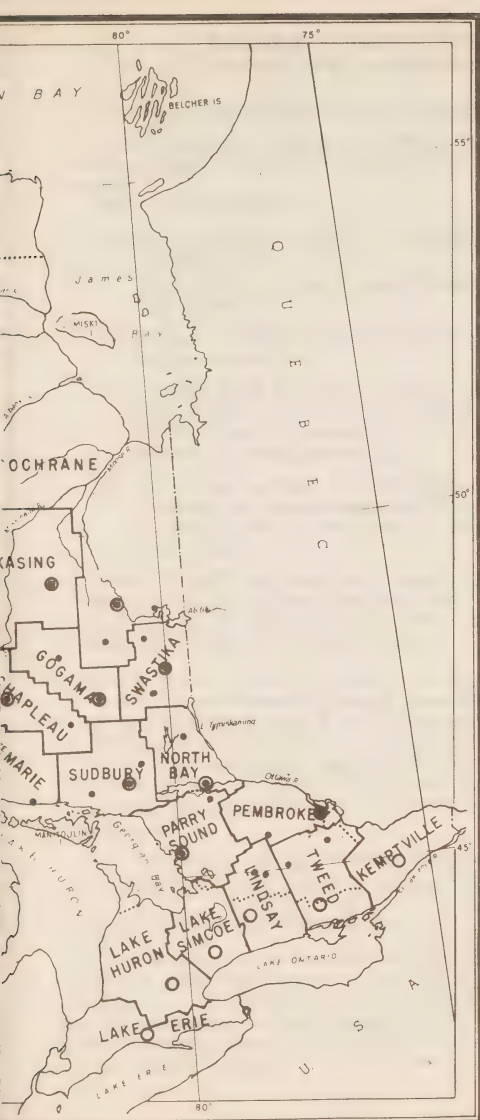
THE WILD RICE HARVESTING ACT, 1960—The Act provides that no wild rice shall be harvested on public lands except under the authority of a licence which may be issued to residents, only.

THE WOLF AND BEAR BOUNTY ACT—The Act provides for a bounty for the killing of bears and wolves within prescribed areas of Ontario. It also provides for the regulation and control of bears and wolves kept in captivity.

THE WOODMEN'S EMPLOYMENT ACT—The Act provides for the inspection and investigation of the operations of persons cutting Crown timber under the authority of a licence, permit, contract or agreement.

THE WOODMEN'S LIEN FOR WAGES ACT—The Act provides that a person shall have a lien upon logs and timber upon which he has performed labour. It provides for the legal machinery for the collection of wages through this lien.





FEDERAL-PROVINCIAL CO-OPERATIVE AGREEMENTS

1. LAC SEUL WATER DIVERSION—February 28th, 1928.

The Province constructed a water dam at the outlet of Lac Seul. Total Cost: \$833,919.19.

Under the agreement:

(1) Three-fifths of cost contributed by Canada,
\$500,351.52.

Two-fifths of cost contributed by Ontario,
\$333,567.67.

(2) Canada assumes the total cost of maintenance and operation.

(3) Canada pays to Ontario 5% on Ontario's capital contribution. As water power is developed (79.37% as of January 1, 1959) this payment is reduced by such percentage.

(4) As water power is developed, Ontario pays Canada the percentage mentioned in item (3) of two-fifths of the cost of maintenance and operation.

NOTE: Ontario recovers the reduction in interest and the proportion of maintenance and operation costs chargeable by Canada from the H.E.P.C. under existing Water Power Agreements.

2. LAKE OF THE WOODS STORAGE—November 15th, 1922

An agreement establishing a basis for the regulation of the Winnipeg and English Rivers was signed on November 15th, 1922, by Canada, Ontario and Manitoba. The agreement provided for the establishment of a reservoir on Lake of the Woods, the cost of which was to be apportioned to the three governments as follows:

(1) Canada— 33.3333333 per cent—for navigation.

(2) Ontario— 11.4871785 per cent—for power head.

(3) Manitoba—55.1794882 per cent—for power head.

Ontario was to pay its apportioned share of the cost of storage when the power site at White Dog Falls was completed. The Ontario Hydro-Electric Power Commission completed a generating station at White Dog Falls in 1958 and has paid \$183,961.19, Ontario's share of the cost of the storage.

Ontario is also responsible for 11.4871785 per cent of the operating costs at the Lake of the Woods storage and Ontario will recover these costs from The Hydro-Electric Power Commission under the water power lease agreement for White Dog Falls.

3. USE OF BECKWITH ISLAND FOR GROUSE RESEARCH—October 7, 1949.

Permission by letter of Federal Department of Mines and Resources (Indian Affairs Branch) on October 7th, 1949, to use Beckwith Island for grouse research purposes by the Division of Research.

4. USE OF CERTAIN AREAS IN CAMP BORDEN FOR RESEARCH IN SILVICULTURE—January 12th, 1951.

Agreement between Federal Department of National Defence and Ontario Department of Lands and Forests:

- (1) Use and occupy from 21st December, 1950, for observation and experiments on trees, certain areas in Camp Borden;
- (2) Erect boundary posts and housing for instruments;
- (3) Bring water and power into the area;
- (4) Give right of entry to the area and right to use motor vehicles in the area.

5. ESTABLISHMENT, MAINTENANCE AND OPERATION OF:

- (1) Forest Insect Laboratory at Sault Ste. Marie;
- (2) Laboratory of Forest Pathology, at Maple, September 30th, 1952.

Agreement between Canada (Department of Agriculture) and Ontario (Department of Lands and Forests) replaces original agreements of 28th April, 1945, and July 5th, 1949.

- (1) Co-operation in control of forest insects and forest diseases through entomological and pathological studies;
- (2) Ontario agrees to provide, maintain, repair and heat for the use of the Division of Forest Biology the two laboratories;

- (3) Canada provides research personnel and equipment for the laboratories;
- (4) Preference given to forest insect and forest diseases problems of Ontario;
- (5) Result of studies, advice and assistance will be available to Ontario;
- (6) Advisory Committee to the Minister of Agriculture (Federal) and the Minister of Lands and Forests (Ontario) consists of eight members (each Minister to appoint four) with the purpose of reviewing reports and making recommendations relating to the studies by the laboratories;
- (7) Agreement is subject to review and may be terminated on six months' notice.

6. AGREEMENTS UNDER CANADA FORESTRY ACT

A. December 20th, 1956, partly amended on March 27th, 1958.

Agreement between Canada (Department of Northern Affairs and National Resources) and Ontario (Department of Lands and Forests) by which Canada undertook to share costs of:

- (1) completing forest resources inventory;
- (2) maintaining forest resources inventory;
- (3) reforesting certain crown lands and other lands owned by public authorities;
- (4) establishing and maintaining nurseries.

This agreement replaces previous one of 28th January, 1952, and extends the Federal Assistance until March 31st, 1961.

The Federal share amounts to: (1) and (2) 50 per cent of total cost; (3) \$10.00 for each reforested unit (1,000 trees) by planting or \$1.00 for each reforested unit (1 acre) by seeding on unoccupied crown land; (4) 20 per cent of the cost.

6. B. June 20th, 1957. Agreement between Canada and Ontario by which Canada assists the Province to achieve adequate forest fire protection by

sharing certain costs of forest fire protection with the Province.

The agreement covers fiscal years, 1st April, 1957, to 31st of March, 1962.

- (1) 50 per cent of the cost of equipment for forest fire prevention, detection and suppression, forest protection communication and transportation;
- (2) 50 per cent of the cost of erecting building to be primarily used for forest fire protection;
- (3) 50 per cent of the cost of charter or employment of aircraft and vessels for forest fire protection;
- (4) 25 per cent of the cost of buildings primarily used for other purposes and partly for forest fire protection and of the construction of forest access roads.

The assistance is limited to an established Federal Government maximum amount (\$281,224.00 for 1960-61). Additional assistance may only be paid if other provinces will not qualify to receive their full maximum allotment.

6. C. Forest Research Agreement, January 29th, 1959.

Agreement between Canada (Department of Northern Affairs and National Resources) and Ontario (Department of Lands and Forests) in a co-operative programme of forest research. Canada will conduct studies in forest research, particularly on problems affecting Ontario, with the recommendations of the Advisory Committee appointed under the agreement. Ontario provides accommodation. Canada supplies equipment and staff. Results of studies are available to Ontario. Canada is to comply with reasonable requests from Ontario for advice and assistance. The Advisory Committee is composed of eight members, four appointed by the Federal Minister and four appointed by the Ontario Minister. The Committee recommends the studies to be made, reviews reports, recommends pilot experiments and test procedures, and formulates recommendations respecting operating practices upon completion of experiments and tests.

7. GREAT LAKES FISHERIES RESEARCH

By an exchange of letters in January, 1960, Canada (Department of Fisheries) and Ontario (Department of Lands and Forests) agreed that the recommendations of the Federal-Provincial Great Lakes Fisheries Co-ordinating Committee be adopted and that responsibility for fisheries research on the Great Lakes would be assumed as follows:

Canada will assume responsibility for:

1. Lamprey research and control in Lake Superior. In addition, lamprey investigations in the other lakes will be carried out as required to plan for future operations in those lakes.
2. General Fisheries research on Lake Superior.
3. Economic studies on all of the Great Lakes after consultation with the Department of Lands and Forests of Ontario as to the relative importance of various approaches to this problem.
4. Technological studies, including gear development, after consultation with the Department of Lands and Forests of Ontario in the detail necessary to achieve suitable co-ordination with policy and with biological studies.

Ontario will assume responsibility for:

1. General fisheries research on Lake Huron, Lake Erie and Lake Ontario.
2. Collection of routine statistics of the commercial and game fish catches on each of the Great Lakes. Additional statistics may be collected if they lend themselves to routine collection. Special statistical studies for a particular lake or part of a lake will be the responsibility of the agency concerned with the general fisheries research programme for that lake.
3. Hydrographic surveys of a broad general nature on each of the Great Lakes. Particular limnological data of primary importance to only fisheries research will be the responsibility of the agency concerned with the general fisheries research programme in each lake.

UNEMPLOYMENT RELIEF

FEDERAL-PROVINCIAL AGREEMENT WHICH EXPIRED IN 1959-60

During the fiscal year the administration of the Department of Lands and Forests was affected by a federal-provincial agreement between the Province of Ontario and the Dominion of Canada providing for a Winter Work Programme respecting the development of campgrounds and picnic areas. By an exchange of letters dated October 28, 1959, and November 12, 1959, between the Minister of Northern Affairs and National Resources and the Prime Minister of Ontario the programme which was begun in the fall of 1958 for the twofold purpose of providing added employment during a period when there was unemployment in many parts of Canada and of assisting Ontario in meeting the growing demand for campgrounds and picnic areas, was continued for the period between November 1, 1959, to May 31, 1960. Under the agreement Canada agreed to reimburse Ontario for one-half of the expenditure made by Ontario in respect of the costs incurred on a Campgrounds-Picnic Area Programme or the labour costs whichever is the lesser. Ontario was required to mark in a suitable agreed form, all campgrounds and picnic areas developed under the programme since 1958 in a manner indicating that the area had been developed under a co-operative federal-provincial programme.

OPERATIONS BRANCH

When reorganization of the Department was decided upon in May, 1941, the plan included two Service Divisions, one of which (Accounts Branch) already existed, and the other, a new Division, to service the others by taking responsibility for enlistment of staff, purchase of supplies and equipment, allocation of space, promotions, distribution and pay of personnel and the operation of the central basic records system and messenger service. Placing these matters under one cover relieved the other Divisions and left them free to concentrate on primary responsibilities.

The Chief of the new Division, Mr. P. O. Rhynas, was transferred from the Department of Labour. The Division was set up in two main sections, Personnel and Office Management, and Information and Education.

On December 1st, 1957, the Minister announced the appointment of two Assistant Deputy Ministers, J. S. Yoerger and G. H. U. Bayly, and that certain Head Office Divisions would be consolidated. Thus, the Division of Operation and Personnel became the Division of Operations with Personnel becoming a section of the Department responsible to one Assistant Deputy Minister.

The welfare, training, promotion, distribution and maintenance of a staff as large and widely spread as that of the Department of Lands and Forests is a work of vital importance. To supply such a body with the essentials places the work in the field of big business.

Operations Branch (re-named in 1959) has four Sections:

OFFICE MANAGEMENT, responsible for procurement, purchasing, renting, maintenance of records, Department uniforms and many special assignments;

CENTRAL SUPPLY WAREHOUSE (established April 1st, 1958), responsible for storage and supply of equipment and a large volume of printing and distribution of printed matter;

CONSERVATION INFORMATION, responsible for Department publications (including SYLVA) and literature, press releases, various public appeals, and the supply of photographs and colour slides;

CONSERVATION EDUCATION, responsible for making and supply of motion films, lectures, radio and television broadcasts, and Department displays at Exhibitions.

OPERATIONS BRANCH

Chief: P. O. RHYNAS

Assistant Chief: C. V. RICH

Office Management Section

Supervisor: M. A. Gontier

Purchasing, Material Control, Customs, Invoicing, Leased Premises, Office Management, Records, Circular Production, Equipment Inventory, Uniforms

Central Supply Warehouse

Supervisor: M. Toms

Housing, Recording, Shipping of Stock, Composing and Making Plates, Duplicating, Collating and Distributing

Conservation Information Section

Supervisor: R. V. Whelan

Gathering, Screening and Producing Information on Conservation of Natural Resources, Compiling and Releasing Minister's Brief, News Releases and Public Appeals, etc.

Conservation Education Section

Acting Supervisor: C. V. Rich

Planning and Presenting to the Public a Complete Educational Programme of Our Natural Resources Through Lectures, 16 mm. Motion Pictures, Television and Exhibit Displays

LECTURE TOURS

Number of Meetings and Attendance

| YEAR | SCHOOL | PUBLIC | DEPARTMENT TOTAL | Ontario Forestry Association |
|-----------|----------------------|---------|---------------------|------------------------------------|
| 1944..... | One Lecturer Started | | | |
| 1945..... | ..... | 5,161 | ..... | ..... |
| 1946..... | 423 | 198 | ..... | ..... |
| | | (48 | ..... | ..... |
| 1947..... | 405 | 377 | 78,471 | ..... |
| 1948..... | 780 | 22,481 | 83,471 | ..... |
| 1949..... | 876 | 58,615 | 782 | ..... |
| 1950..... | 827 | 655 | 1,532 | ..... |
| 1951..... | 675 | 71,969 | 1,531 | 20 |
| 1952..... | 702 | 136,293 | 1,456 | 83,566 |
| 1953..... | 721 | 913 | 1,588 | 128,052 |
| 1954..... | 1,196 | 1,246 | 1,948 | 185,552 |
| 1955..... | 1,143 | 1,223 | 1,944 | 119,312 |
| 1956..... | 1,076 | 1,546 | 2,742 | 100,650 |
| 1957..... | 1,261 | 1,526 | 2,669 | ..... |
| 1958..... | 972 | 1,402 | 2,478 | 56,394 |
| 1959..... | 831 | 1,710 | 2,971 | 68,758 |
| 1960..... | 1,094 | 1,708 | 2,680 | 68,832 |
| | | 124,703 | 3,027 | 40,430 |
| | | 158,682 | 3,809 | 61,056 |

INFORMATION AND EDUCATION SERVICES (In Years Ending 31st March)

| Year | Motion Films (titles) | 35 mm. Colour Slides | Photo Prints Loaned to Publishers | Exhibi- tions | Letters of Enquiry Answered* | ADVERTISEMENTS Adminis- tration | Conser- vation | PUBLICATIONS No. of Titles | Distri- bution |
|-----------|-----------------------------|----------------------------|---|------------------|------------------------------------|---------------------------------------|-------------------|----------------------------------|-------------------|
| 1942..... | ... | .... | .... | .. | .... | ... | .. | 16 | .... |
| 1943..... | ... | .... | .... | .. | .... | ... | .. | 27 | .... |
| 1944..... | ... | .... | .... | .. | .... | ... | 35 | 26 | .... |
| 1945..... | ... | .... | .... | .. | .... | ... | 17 | 30 | .... |
| 1946..... | 24 | .... | .... | .. | .... | 77 | 26 | 29 | .... |
| 1947..... | 25 | .... | .... | 8 | 4,200 | 508 | 65 | 53 | .... |
| 1948..... | 26 | .... | .... | 13 | 6,900 | ... | .. | 53 | .... |
| 1949..... | 28 | .... | .... | 15 | 7,700 | 130 | 57 | 72 | .... |
| 1950..... | 28 | .... | 1,800 | 38 | 8,065 | 60 | 44 | 72 | .... |
| 1951..... | 38 | .... | 1,800 | 64 | 7,200 | 127 | 43 | 72 | .... |
| 1952..... | 56 | .... | 1,800 | 64 | 8,100 | 57 | 39 | 56 | .... |
| 1953..... | 73 | 750 | 2,100 | 68 | 9,000 | 74 | 27 | 55 | .... |
| 1954..... | 89 | 750 | 1,800 | 75 | 9,000 | 57 | 36 | 72 | .... |
| 1955..... | 119 | 750 | 3,500 | 75 | 7,000 | 103 | 45 | 87 | .... |
| 1956..... | 159 | 1,000 | 4,500 | 75 | 8,400 | 99 | 55 | 84 | .... |
| 1957..... | 178 | 1,500 | 6,000 | 75 | 10,800 | 112 | 53 | 92 | .... |
| 1958..... | 208 | 1,500 | 9,000 | 75 | 14,600 | 93 | 52 | 109 | .... |
| 1959..... | 226 | 1,800 | 9,200 | 75 | 21,010 | 139 | 54 | 116 | .... |
| 1960..... | 226 | 1,900 | 9,000 | 75 | 26,000 | 140 | 55 | 133 | .... |

*Information supplied to general public, in addition to many enquiries in person and by telephone.

PURCHASING AND SUPPLY (In years ended March 31st)

| Year | Requisitions* | Direct Purchase Orders* | Supplies Shipped Out*** Tons | Parcels | Licences*** | Circulars, Cards and Pamphlets** |
|-----------|---------------|-------------------------|---------------------------------|---------|-------------|-------------------------------------|
| 1949..... | ..... | ..... | 150 | 10,000 | 701,410 | 170,000 |
| 1950..... | ..... | ..... | 160 | 12,000 | 774,470 | ..... |
| 1951..... | ..... | ..... | 170 | 12,500 | 802,900 | 104,300 |
| 1952..... | ..... | ..... | 175 | 13,500 | 868,300 | 105,000 |
| 1953..... | ..... | ..... | 176 | 14,000 | 910,480 | 105,000 |
| 1954..... | 13,500 | 7,658 | 200 | 19,000 | 1,005,000 | 135,000 |
| 1955..... | 12,500 | 5,633 | 470 | 7,180 | 1,055,299 | 148,700 |
| 1956..... | 7,079 | 5,224 | ... | ..... | 1,120,654 | ..... |
| 1957..... | 6,530 | 3,938 | 488 | 8,450 | 1,154,000 | ..... |
| 1958..... | 6,233 | 3,983 | 350 | 17,040 | 1,212,920 | 500,000 |
| 1959..... | ..... | ..... | 218 | 19,136 | 1,279,067 | 1,871,219 |
| 1960..... | ..... | ..... | 377 | 20,264 | 1,260,917 | 2,054,116 |

*Handled by Office Management Section. **Duplicated and distributed by Central Supply Warehouse.

***Shipped from Central Supply Warehouse (in addition to internal supply to Head Office).

PARKS BRANCH

The Division of Parks was established on October 1st, 1954, with W. B. Greenwood as Chief, re-named as Parks Branch in 1959. A. B. Wheatley was appointed Acting Chief on June 1st, 1960.

Algonquin, the first Provincial Park, was established in 1893 by the Algonquin National Park Act, 56 Victoria, Chap. 8. Rondeau was established by the Rondeau Provincial Park Act, 57 Victoria, Chap. 15. Presqu'ile was established by the Presqu'ile Park Act, 12 Geo. V., Chap. 39. Long Point was established by the Long Point Park Act, 2 Geo. V., Chap. 35.

Quetico, Ipperwash, Sibley and Lake Superior were established by Order-in-Council.

Since the Provincial Parks Act was proclaimed on December 1st, 1954, all new Provincial Parks have been established by regulations made under the Act and its revisions, and published in The Ontario Gazette on the following dates:

| | |
|------------------------|--------------------|
| O. Reg. 148/55 | August 6th, 1955 |
| O. Reg. 144/57 | July 6th, 1957 |
| O. Reg. 229/57 | October 26th, 1957 |
| O. Reg. 280/57 | January 4th, 1958 |
| O. Reg. 42/58 | March 8th, 1958 |
| O. Reg. 251/58 | October 11th, 1958 |
| O. Reg. 254/58 | October 18th, 1958 |
| O. Reg. 70/59 | May 2nd, 1959 |
| O. Reg. 88/59 | May 23rd, 1959 |
| O. Reg. 195/59 | August 31st, 1959 |
| O. Reg. 253/59 | November 7th, 1959 |
| O. Reg. 204/60 | July 30th, 1960 |

Orders-in-Council 2053-57 and 4365-57 authorized the transfer of 30 parks from Department of Highways to Department of Lands and Forests in 1957. Ten were returned in the year ending March 31st, 1960.

Section 1 (a) of the Provincial Parks Act, 1954, reads as follows: "'provincial park' includes provincial camp grounds, provincial picnic grounds and provincial camp and picnic grounds".

The many park improvements include picnic tables and fireplace grills fabricated in the various Reform Institutions throughout the Province. Senior high school and university students are employed as seasonal staff.

In every park, developments are required to follow a master plan. Park Naturalist Programmes of Interpretation are being extended.

PARKS BRANCH

Acting Chief: A. B. WHEATLEY

Assistant Chief:

Planning Section

Supervisor: A. R. K. MacDonald

Interpretive Section

Supervisor: A. F. Helmsley

Parks Inspection

Inspector: G. W. Delahey

Office Management Section

Office Manager: T. M. Van Dusen

Special Projects

C. R. Tilt

Secretary

Ontario Parks Integration Board

PUBLIC USE OF PROVINCIAL PARKS

| Year | No. of Parks | No. of Vehicles | No. of Campers | No. of Visitors |
|-----------|-----------------|--------------------|-------------------|--------------------|
| 1956..... | 21 | ..... | 86,641 | ..... |
| 1957..... | 39 | 629,666 | 162,705 | 2,114,661 |
| 1958..... | 45 | 927,871 | 276,128 | 3,232,460 |
| 1959..... | 55 | 1,420,180 | 479,069 | 5,127,199 |
| 1960..... | 63 | 1,552,662 | 592,103 | 5,692,978 |

ATTENDANCE AT INTERPRETATIVE PROGRAMMES

| Year | No. of Parks | Museums* | Nature Trails* | Conducted Hikes | Lectures | Child Camps |
|----------|-----------------|----------|----------------|--------------------|----------|----------------|
| 1950 | 1 | ..... | 6,173 | .... | 1,593 | .... |
| 1951.... | 1 | ..... | 5,390 | .... | 2,675 | .... |
| 1952.... | 2 | 200 | 14,341 | .... | 3,769 | .... |
| 1953.... | 2 | 53,844 | 12,761 | .... | 7,263 | .... |
| 1954.... | 3 | 72,839 | 18,920 | .... | 11,078 | .... |
| 1955.... | 3 | 75,711 | 25,388 | 1,943 | 6,595 | 1,448 |
| 1956.... | 5 | 91,246 | 23,125 | 2,046 | 9,001 | 1,815 |
| 1957.... | 6 | 119,200 | 26,908 | 2,824 | 10,760 | 1,949 |
| 1958.... | 6 | 146,284 | 40,929 | 2,975 | 13,955 | 2,790 |
| 1959.... | 8 | 217,672 | 38,771 | 5,479 | 22,820 | 2,168 |
| 1960.... | 9 | 282,927* | 46,742 | 6,958 | 23,828 | 468 |

1960

| | | | | | |
|-----------------|----------|---------|-------|--------|------|
| Algonquin..... | 188,000* | 42,770* | 4,174 | 16,735 | .... |
| Nancy Island.. | 9,998 | ..... | .... | ..... | .... |
| Presqu'Ile..... | 16,127 | 2,571 | 833 | 3,881 | 140 |
| Quetico..... | 8,084 | 1,021 | 262 | 1,272 | .... |
| Rondeau..... | 26,202 | ..... | 1,497 | 1,387 | .... |
| Serpent Mounds | 3,675 | ..... | .... | ..... | .... |
| Sibbald Point.. | 21,571 | ..... | .... | ..... | .... |
| Sibley..... | 9,270 | 157 | 192 | 553 | 328 |
| Remi Lake.... | ..... | 160 | .... | ..... | .... |

*Estimated; all other figures are actual.

90 PROVINCIAL PARKS (50 established and 40 pending establishment, November 30, 1960)

| Name of Park | Date Established | Authority under which Established | Area (Acres) | Camping Units | Campers 1960 | Visitors 1960 |
|------------------------|---------------------|--------------------------------------|-----------------|------------------|-----------------|------------------|
| CHAPLEAU | | | | | | |
| Five Mile Lake..... | Sept. 29, 1958 | O. Reg. 251/58 | 1,009 | ... | dev. | ..... |
| Racine..... | ..... | ..... | 1,010 | ... | und. | ..... |
| COCHRANE | | | | | | |
| Greenwater..... | June 25, 1957 | O. Reg. 144/57 | 10,560 | ... | dev. | ..... |
| Kettle Lakes..... | June 25, 1957 | O. Reg. 144/57 | 2,304 | 85 | 3,632 | 69,716 |
| FORT FRANCES | | | | | | |
| Lake of the Woods..... | ..... | ..... | 2,127 | 72 | 300 | 16,562 |
| Caliper Lake PCPG..... | July 22, 1960 | O. Reg. 204/60 | 765.55 | 50 | 5,715 | 27,291 |
| Quetico..... | April 1, 1909 | Order-in-Council | 1,148,800 | 95 | 3,720 | 56,590 |
| GERALDTON | | | | | | |
| Klotz Lake PCPG..... | July 22, 1960 | O. Reg. 204/60 | 210.02 | 26 | 3,391 | ..... |
| Blacksand..... | July 22, 1960 | O. Reg. 204/60 | 3,353 | 20 | 1,447 | ..... |
| MacLeod..... | ..... | ..... | 200 | 43 | 3,060 | 51,953 |
| Rainbow Falls..... | ..... | ..... | 277 | 20 | 1,203 | ..... |
| GOGAMA | | | | | | |
| Ivanhoe Lake..... | June 25, 1957 | O. Reg. 144/57 | 1,280 | 34 | 472 | 1,337 |
| KAPUSKASING | | | | | | |
| Nagagamisis..... | June 25, 1957 | O. Reg. 144/57 | 37,760 | ... | dev. | ..... |
| Remi Lake PCPG..... | June 25, 1957 | O. Reg. 144/57 | 154 | 26 | 3,128 | 34,871 |

KEMPTVILLE

| | | | | | |
|-----------------------|----------------|-------|-----|--------|---------|
| Fitzroy..... | ..... | 434 | ... | und. | ..... |
| Murphys Point..... | ..... | 783.8 | ... | und. | 174,255 |
| Rideau River..... | ..... | 130 | 173 | 12,379 | 81,288 |
| Silver Lake PCPG..... | Sept. 29, 1958 | 78.21 | 135 | 13,789 | 49,734 |
| South Nation PCPG | July 22, 1960 | 12.76 | 25 | 5,347 | |

KENORA

| | | | | | |
|-------------------------|----------------|--------|----|--------|--------|
| Aaron..... | Sept. 29, 1958 | 124 | 25 | 4,052 | 23,494 |
| Blue Lake PCPG..... | July 22, 1960 | 175.8 | 46 | 5,034 | 20,186 |
| Rushing River..... | Sept. 29, 1958 | 395.15 | 54 | 12,249 | 74,643 |
| Sioux Narrows PCPG..... | June 25, 1957 | 284 | 30 | 6,139 | 31,405 |

LAKE ERIE

| | | | | | |
|----------------------|----------------|---------|-----|--------|---------|
| Clay Creek PCPG..... | Sept. 29, 1958 | 24,128 | 14 | 1,022 | 29,719 |
| Holiday Beach..... | Oct. 6, 1958 | 205.34 | ... | ... | 154,196 |
| Ippervash..... | June 24, 1938 | 109 | 250 | 25,398 | 253,346 |
| John E. Pearce..... | June 25, 1957 | 28.88 | ... | dev. | ... |
| Long Point..... | May 3, 1921 | 22.8 | 50 | 17,631 | 112,405 |
| Pinery..... | Oct. 11, 1957 | 4,333.3 | 500 | 37,008 | 371,866 |
| Port Bruce..... | ..... | 28.04 | ... | dev. | ... |
| Rock Point..... | June 25, 1957 | 42.41 | ... | dev. | ... |
| Rondeau..... | May 5, 1894 | 5,504 | 325 | 24,726 | 693,631 |
| St. Williams..... | ..... | 5 | ... | ... | 38,057 |
| Turkey Point..... | April 21, 1959 | 778 | ... | und. | ... |

LAKE HURON

| | | | | | |
|-------------------|-------|------|-----|--------|---------|
| Craigleith..... | ..... | 27 | 170 | 13,928 | 58,988 |
| Sauble Falls..... | ..... | 43.7 | 147 | 11,544 | 141,119 |
| Inverhuron..... | ..... | 545 | 293 | 18,247 | 85,550 |

dev.: under development,
PPG: Provincial Picnic Grounds,

und.: undeveloped,
PCPG: Provincial Camp and Picnic Grounds,

day: day use.

90 PROVINCIAL PARKS (50 established and 40 pending establishment, November 30, 1960)—Cont'd

| Name of Park | Date Established | Authority under which Established | Area (Acres) | Camping Units | Campers 1960 | Visitors 1960 |
|--------------------------|---------------------|--------------------------------------|-----------------|------------------|-----------------|------------------|
| LAKE SIMCOE | | | | | | |
| Bass Lake..... | June 25, 1957 | O. Reg. 144/57 | 85 | 130 | 18,559 | 139,840 |
| Devils Glen..... | ..... | ..... | 13.7 | 20 | 3,149 | 68,805 |
| Earl Rowe..... | ..... | ..... | 110.8 | 70 | 3,540 | 44,366 |
| Sibbald Point..... | Dec., 23, 1957 | O. Reg. 280/57 | 495 | 428 | 35,535 | 379,901 |
| Six Mile Lake..... | Feb. 24, 1958 | O. Reg. 42/58 | 177 | 115 | 8,714 | 46,758 |
| Springwater PPG..... | Sept. 29, 1958 | O. Reg. 251/58 | 116.91 | Day | ..... | 113,620 |
| Wasaga Beach..... | Aug. 31, 1959 | O. Reg. 195/59 | 43.852 | ... | dev. | ..... |
| Little Lake..... | ..... | ..... | 99.79 | ... | und. | ..... |
| LINDSAY | | | | | | |
| Darlington..... | Oct. 30, 1959 | O. Reg. 253/59 | 295.6 | 70 | 1,064 | 52,681 |
| Emily..... | June 25, 1957 | O. Reg. 144/57 | 59 | 90 | 10,385 | 102,452 |
| Mark S. Burnham..... | July 26, 1955 | O. Reg. 148/55 | 100.682 | ... | day | 23,900 |
| Presqu'ile..... | May 18, 1922 | (See Above) | 2,170 | 500 | 29,240 | 299,745 |
| Serpent Mounds..... | June 25, 1957 | O. Reg. 144/57 | 70 | 110 | 12,125 | 73,963 |
| NORTH BAY | | | | | | |
| Antoine..... | ..... | ..... | 22.61 | 29 | 4,480 | 32,951 |
| Finlayson Point..... | ..... | ..... | 74.5 | 88 | 7,992 | 27,584 |
| Haddo..... | ..... | ..... | 2,543 | ... | und. | ..... |
| Marten River..... | July 22, 1960 | O. Reg. 204/60 | 814 | 96 | 11,339 | 59,059 |
| Samuel de Champlain..... | ..... | ..... | 1,100 | ... | dev. | ..... |
| PARRY SOUND | | | | | | |
| Mikisew..... | ..... | ..... | 98.67 | 120 | 7,299 | 20,460 |
| Grundy Lake..... | April 21, 1959 | O. Reg. 70/59 | 6,310 | 300 | 13,585 | 71,541 |

| | | | | | |
|------------------------|----------------|-----------|-------|--------|---------|
| Killbear Point..... | ..... | 2,334.49 | 135 | 7,712 | 43,168 |
| Oastler Lake..... | ..... | 24 | 150 | 16,455 | 145,061 |
| Restoule..... | ..... | 1,306 | ... | und. | ..... |
| Sturgeon Bay PCPG..... | O. Reg. 204/60 | 20 | 91 | 6,408 | 27,382 |
| PEMBROKE | | | | | |
| Algonquin..... | May 27, 1893 | 1,770,240 | 1,132 | 68,823 | 513,568 |
| Carson Lake..... | ..... | 15 | 48 | 4,161 | 4,161 |
| Driftwood..... | ..... | 654.7 | 65 | 6,329 | 10,720 |
| PORT ARTHUR | | | | | |
| Arrow Lake..... | June 25, 1957 | 100 | ... | und. | ..... |
| Inwood PCPG..... | Sept. 29, 1958 | 81.69 | 43 | 2,772 | 9,333 |
| Kakabeka Falls..... | ..... | 891 | 37 | 6,805 | 162,703 |
| Middle Falls PCPG..... | July 22, 1960 | 10.8 | 20 | 4,563 | 52,958 |
| Shuniah..... | ..... | 16,802 | 20 | 3,860 | 43,589 |
| Sibley..... | Jan. 13, 1944 | 40,320 | 104 | 4,493 | 33,253 |
| Silver Falls..... | ..... | 12,000 | ... | und. | ..... |
| SAULT STE. MARIE | | | | | |
| Batchawana Bay..... | Jan. 13, 1944 | 400 | ... | dev. | ..... |
| Lake Superior..... | ..... | 345,600 | 54 | 3,246 | 16,086 |
| Pancake Bay..... | ..... | 710 | 125 | 5,543 | 31,489 |
| SIOUX LOOKOUT | | | | | |
| Pakwash..... | ..... | 71.41 | ... | und. | ..... |
| Ojibwa..... | ..... | 5,670 | ... | und. | ..... |
| STURBURY | | | | | |
| Fairbank..... | June 25, 1957 | 85 | 80 | 7,873 | 33,826 |
| Windy Lake..... | April 4, 1959 | 293.02 | 57 | 3,747 | 84,414 |
| Killarney..... | ..... | 36,796 | ... | und. | ..... |

90 PROVINCIAL PARKS (50 established and 40 pending establishment, November 30, 1960)—Cont'd

| Name of Park | Date Established | Authority under which Established | Area (Acres) | Camping Units | Campers 1960 | Visitors 1960 |
|-----------------------------|---------------------|--------------------------------------|-----------------|------------------|-----------------|------------------|
| SWASTIKA | | | | | | |
| Esker Lakes..... | June 25, 1957 | O. Reg. 144/57 | 7,680 | 70 | 3,225 | 23,367 |
| Kap-Kig-Iwan..... | June 25, 1957 | O. Reg. 144/57 | 603 | 32 | 3,079 | 24,135 |
| McCann..... | ..... | ..... | 640.4 | ... | und. | ..... |
| TWEED | | | | | | |
| Black Lake PCPG..... | Sept. 29, 1958 | O. Reg. 251/58 | 69 | 120 | 8,535 | 32,157 |
| Bon Echo..... | ..... | ..... | 1,459.69 | ... | und. | ..... |
| Lake-on-the-Mountain PPG... | June 25, 1957 | O. Reg. 144/57 | 256 | ... | dev. | ... |
| Lake St. Peter..... | ..... | ..... | 61.56 | 60 | 4,778 | 22,173 |
| Mazinaw Lake..... | ..... | ..... | 3.80 | 35 | 3,651 | 8,967 |
| Outlet..... | ..... | ..... | 265 | 137 | 14,478 | 160,640 |
| Sandbanks..... | ..... | ..... | 1,200 | ... | dev. | ..... |
| WHITE RIVER | | | | | | |
| White Lake..... | ..... | ..... | 3,600 | ... | und. | ..... |
| TOTALS..... | | | | | | |
| | | | 3,472,202.394 | 7,489 | 592,103 | 5,692,978 |

PERSONNEL BRANCH

When the Division of Operation and Personnel was separated under the administrative structural changes effected on December 1st, 1957, Personnel became a Section responsible to Assistant Deputy Minister G. H. U. Bayly, and a Branch on December 1st, 1959. Mr. S. H. C. Parsons is Branch Supervisor.

The staff of this Section is responsible for the interviewing and recruitment of job applicants, Job Analysis and Position Classification as well as Salary and Wage Administration, Employee Relations, Performance Standards, Staff Training and Development, Transfers, Promotions, Separation Discipline, Safety and Workmen's Compensation.

PERSONNEL BRANCH

Supervisor: S. H. C. PARSONS

Recruitment
Transfers and Promotions
Courses and Educational Leave
Grievances, Discipline

Classification
Class Specifications
Job Descriptions
Salary Surveys

Personnel Records
Nominations, Separations, Renewals
Permanent and Temporary Appointments
Annual Increments, Attendance
Retirement and Superannuation

Junior Ranger Programme
Safety and First Aid
Workmen's Compensation

Transfers and Promotions
Establishments
Control of Casuals
Job Advertising
Staff Appraisals

Special Assignments
Staff Replacement Needs
Comparative Salary Surveys
Job Descriptions
Recruitment of Professional Staff

CLASSIFICATION OF PERSONNEL

As of October 31st, 1960

| GROUPS | HEAD OFFICE | FIELD | TOTAL |
|---------------------------------|----------------|--------------|--------------|
| Air Engineers..... | 40 | ... | 40 |
| Air Pilots..... | 34 | ... | 34 |
| Air Service Staff..... | 8 | ... | 8 |
| Biologists..... | 19 | 24 | 43 |
| Boat Captains..... | ... | 3 | 3 |
| Carpenters..... | 3 | 23 | 26 |
| Communication Technicians..... | 7 | 19 | 26 |
| Conservation Officers..... | 4 | 202 | 206 |
| Draughtsmen..... | 35 | 1 | 36 |
| Engineers..... | 10 | ... | 10 |
| Foresters..... | 49 | 132 | 181 |
| Forest Rangers..... | 1 | 559 | 560 |
| Hatchery Staffs..... | 1 | 48 | 50 |
| Maintenance Staffs..... | 4 | 7 | 11 |
| Mechanics..... | 8 | 77 | 85 |
| Office Staffs..... | 252 | 171 | 425 |
| Photography Staff..... | 17 | ... | 17 |
| Printing Machine Operators..... | 4 | ... | 4 |
| Radio Operators..... | 3 | 20 | 23 |
| Reforestation Staffs..... | 1 | 90 | 91 |
| Research Staff..... | 5 | ... | 5 |
| Solicitors..... | 3 | ... | 3 |
| Stockkeepers..... | 10 | 9 | 19 |
| Surveyors..... | 8 | ... | 8 |
| Supervisory Staff..... | 37 | 5 | 42 |
| Truck Drivers..... | 2 | 30 | 32 |
| TOTAL..... | 565 | 1,420 | 1,988 |

FOREST RANGERS*

| | | | |
|--------------|-----|-----|-----|
| Class 5..... | ... | 36 | 36 |
| Class 4..... | 1 | 91 | 92 |
| Class 3..... | ... | 176 | 176 |
| Class 2..... | ... | 112 | 112 |
| Class 1..... | ... | 144 | 144 |

CONSERVATION OFFICERS*

| | | | |
|--------------|-----|-----|-----|
| Class 5..... | 2 | 19 | 21 |
| Class 4..... | 2 | 7 | 9 |
| Class 3..... | ... | 25 | 25 |
| Class 2..... | ... | 116 | 116 |
| Class 1..... | ... | 35 | 35 |

*Classes 3, 4 and 5 at Supervisory level.

PERSONNEL REPORT TO YEAR ENDING 31st MARCH

| EMPLOYMENT STATUS* | | | | UNIVERSITY DEGREES OR TITLES | | | | | | WORKMEN'S COMPENSATION | | | |
|--------------------|-------------|-----|-------|------------------------------|---------------------|----------------------------|----------------|-----------------|-----------------|------------------------|-------|------------|--------------|
| YEAR | Cont. Temp. | | Total | Casual | Licensed Scalers | Ranger School Grads. | Forest- ers | Biolo- gists | Civil Engrs. | Misc. | Total | No. Claims | Cost |
| | Perm. | | | | | | | | | | | | |
| 1944..... | 310 | 268 | 578 | 397 | ... | ... | ... | .. | ..... | .. | ... | 98 | \$ 12,850.33 |
| 1945..... | 324 | 305 | 629 | 929 | ... | ... | ... | .. | .. | .. | ... | 120 | 14,540.02 |
| 1946..... | 373 | 318 | 691 | 573 | ... | ... | ... | .. | .. | .. | ... | 129 | 14,248.76 |
| 1947..... | 523 | 562 | 1,085 | 527 | ... | ... | ... | .. | .. | .. | ... | 182 | 21,560.24 |
| 1948..... | ..... | ... | ..... | ..... | ... | ... | ... | .. | .. | .. | ... | 328 | 27,189.07 |
| 1949..... | 1,167 | 196 | 1,363 | 562 | ... | ... | ... | .. | .. | .. | ... | 494 | 35,989.21 |
| 1950..... | 1,352 | 157 | 1,509 | 580 | ... | ... | ... | .. | .. | .. | ... | 501 | 50,989.11 |
| 1951..... | 1,420 | 141 | 1,561 | 617 | 343 | 237 | 147 | 25 | 3 | 12 | 187 | 394 | 43,950.68 |
| 1952..... | 1,441 | 181 | 1,622 | 790 | 356 | 257 | 158 | 26 | 5 | 16 | 205 | 368 | 54,157.82 |
| 1953..... | 1,518 | 158 | 1,676 | 680 | 381 | 293 | 166 | 33 | 5 | 16 | 220 | 417 | 51,168.82 |
| 1954..... | 1,546 | 175 | 1,721 | 633 | 391 | 331 | 172 | 36 | 6 | 23 | 237 | 494 | 64,693.23 |
| 1955..... | 1,618 | 142 | 1,760 | 727 | 392 | 379 | 174 | 39 | 5 | 26 | 244 | 455 | 63,356.59 |
| 1956..... | 1,611 | 180 | 1,791 | 655 | 404 | 425 | 139 | 34 | 6 | 27 | 206 | 910 | 106,962.46 |
| 1957..... | 1,583 | 175 | 1,758 | 929 | 429 | 461 | 182 | 34 | 6 | 27 | 249 | 588 | 85,158.76 |
| 1958..... | 1,685 | 134 | 1,819 | 3,209 | 459 | 504 | 181 | 40 | 6 | 24 | 251 | 727 | 101,376.46 |
| 1959..... | 1,759 | 113 | 1,872 | 2,750 | 495 | 533 | 193 | 41 | 10 | 22 | 266 | 874 | 132,572.01 |
| 1960..... | 1,946 | 90 | 2,036 | 1,224 | 578 | 575 | 189 | 43 | 10 | 25 | 267 | 687 | 150,709.23 |

*Extra fire fighters not included.

NOTE: Medical and Hospital fees have increased greatly in recent years.

DISTRIBUTION OF JUNIOR RANGERS (SUMMER MONTHS ONLY)

| DISTRICT | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 |
|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Chapleau..... | ... | ... | ... | ... | ... | ... | 14 | 15 | 23 | 26 | 40 | 46 | 39 | 38 | 35 | 37 | 36 |
| Cochrane..... | ... | ... | ... | ... | 12 | 25 | 25 | 21 | 26 | 36 | 39 | 45 | 39 | 35 | 24 | 24 | 25 |
| Fort Frances.... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | 14 | 16 | 14 | 14 | 23 | 12 |
| Geraldton..... | ... | ... | ... | ... | ... | ... | 10 | 10 | 10 | 15 | 35 | 24 | 27 | 48 | 59 | 64 | 46 |
| Gogama..... | ... | ... | ... | ... | ... | 10 | 15 | 12 | 21 | 25 | 34 | 43 | 27 | 38 | 36 | 39 | 37 |
| Kapuskasing.... | ... | ... | ... | ... | 8 | 10 | 14 | 12 | 12 | 21 | 32 | 43 | 33 | 28 | 34 | 40 | 36 |
| Kemptville..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Kenora..... | ... | ... | ... | ... | ... | ... | 11 | ... | ... | ... | 10 | ... | 10 | 11 | 25 | 26 | 13 |
| Lake Erie..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Lake Huron..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Lake Simcoe.... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Lindsay..... | ... | ... | ... | ... | ... | 12 | 15 | 14 | 14 | 25 | 29 | 46 | ... | ... | ... | ... | ... |
| North Bay..... | 10 | 13 | 12 | 18 | 21 | 26 | 27 | 21 | 22 | 30 | 38 | 38 | 38 | 48 | 35 | 38 | 26 |
| Parry Sound.... | 11 | 10 | 10 | 12 | 25 | 19 | 18 | 12 | 12 | 15 | 20 | 25 | 46 | 35 | 36 | 37 | 36 |
| Pembroke..... | ... | ... | 12 | 29 | 20 | 40 | 42 | 32 | 32 | 35 | 42 | 51 | 48 | 42 | 34 | 34 | 24 |
| Port Arthur.... | ... | ... | ... | ... | ... | ... | ... | ... | 13 | 15 | 11 | 8 | 24 | 13 | 36 | 39 | 24 |
| Sault Ste. Marie. | ... | 10 | 10 | 11 | 13 | 22 | 20 | 20 | 31 | 37 | 60 | 53 | 75 | 73 | 64 | 63 | 67 |
| Sioux Lookout... | ... | ... | ... | ... | ... | ... | ... | 9 | 12 | 21 | 19 | ... | 11 | 13 | 13 | 15 | 13 |
| Sudbury..... | ... | 7 | 15 | 13 | 20 | 26 | 16 | 14 | 14 | 23 | 24 | 42 | 76 | 51 | 46 | 39 | 49 |
| Swastika..... | ... | ... | ... | ... | 8 | 28 | 32 | 24 | 24 | 27 | 31 | 11 | 43 | 24 | 24 | 26 | 24 |
| Tweed..... | ... | ... | ... | 9 | 21 | 19 | 18 | 15 | 24 | 29 | 32 | 26 | ... | ... | ... | ... | ... |
| White River.... | ... | ... | ... | ... | ... | ... | 12 | 11 | 22 | 23 | 28 | 42 | 62 | 39 | 49 | 49 | 35 |
| TOTAL..... | 21 | 40 | 59 | 92 | 148 | 237 | 289 | 242 | 312 | 403 | 524 | 547 | 614 | 550 | 564 | 593 | 503 |

ADMINISTRATIVE DISTRICTS as of March 31st, 1960

Areas in Square Miles

DEPARTMENT OF LANDS AND FORESTS

| ADMINISTRATIVE DISTRICTS | FIRE PROTECTION | | | FISH AND WILDLIFE CONTROL ADMINISTRATIVE DISTRICTS | | |
|--------------------------|-----------------|-------|--------|--|-------|--------|
| | Land | Water | Total | Land | Water | Total |
| Chapleau..... | 5,953 | 629 | 6,582 | 5,953 | 629 | 6,582 |
| Cochrane..... | 14,690 | 1,106 | 15,796 | 63,282 | 4,206 | 67,488 |
| Fort Frances..... | 5,218 | 1,348 | 6,566 | 5,820 | 1,379 | 7,199 |
| Geraldton..... | 18,734 | 2,605 | 21,339 | 18,734 | 6,986 | 25,630 |
| Gogama..... | 5,867 | 443 | 6,310 | 5,867 | 443 | 6,310 |
| Kapuskasing..... | 18,399 | 767 | 19,166 | 18,399 | 767 | 19,166 |
| Kemptville..... | ..... | ..... | ..... | 5,197 | 452 | 5,649 |
| Kenora..... | 9,321 | 3,030 | 12,351 | 9,321 | 3,030 | 12,351 |
| Lake Erie..... | ..... | ..... | ..... | 6,796 | 5,826 | 12,622 |
| Lake Huron..... | ..... | ..... | ..... | 8,781 | 6,977 | 15,758 |
| Lake Simcoe..... | 220 | 19 | 239 | 4,665 | 1,489 | 6,154 |
| Lindsay..... | 2,374 | 206 | 2,580 | 5,079 | 1,710 | 6,789 |
| North Bay..... | 4,969 | 616 | 5,585 | 4,969 | 616 | 5,585 |
| Parry Sound..... | 5,490 | 691 | 6,181 | 5,552 | 2,952 | 8,504 |
| Pembroke..... | 4,157 | 361 | 4,518 | 4,714 | 434 | 5,148 |
| Port Arthur..... | 13,869 | 4,681 | 18,550 | 13,869 | 4,681 | 18,550 |

| | | | | | | |
|--------------------|----------------|---------------|----------------|----------------|---------------|-----------------|
| Sault Ste. Marie** | 7,861 | 3,294 | 11,155 | 8,004 | 3,353 | 11,357 |
| Sioux Lookout | 33,748 | 6,912 | 40,660 | 112,860 | 22,579 | 135,439 |
| Sudbury*** | 6,622 | 1,259 | 7,881 | 7,746 | 5,062 | 12,808 |
| Swastika | 5,122 | 283 | 5,405 | 5,122 | 283 | 5,405 |
| Tweed | 3,049 | 265 | 3,314 | 6,705 | 1,932 | 8,637 |
| White River | 6,400 | 521 | 6,921 | 6,400 | 3,051 | 9,451 |
| TOTAL AREA | 172,063 | 29,036 | 201,099 | 333,835 | 78,747 | *412,582 |

* Total area of the Province of Ontario includes part of Great Lakes.

** St. Joseph Island (143 square miles) is included in Sault Ste. Marie District for all purposes except Fire Protection.

*** Manitoulin, Cockburn, Fitzwilliam, Lonely, Great Duck, Western Duck and Barry Islands (1,124 square miles, excluding lakes) are included in Sudbury District for Fish and Wildlife Control only. The area of Sudbury District for Administrative purposes is 11,684 square miles, including waters of the North Channel and Lake Huron within the territorial district of Manitoulin Island.

Ontario's southern boundary has a shore line of 2,362 miles. The northern boundary has a shore line of 680 miles.

The highest point in Ontario is in the Lake Superior region where land is 2,120 feet above sea level.

(SEE MAP OF DISTRICTS, CENTRE INSERT)

DISTRICT — CHAPLEAU

OFFICE: Corner Lorne and Beach Streets.

Telephone 51

District Forester J. R. Keddie

Supervisors

| | |
|-----------------------------|----------------|
| Accounts | G. J. Murray |
| Fish and Wildlife | V. Crichton |
| Forest Protection | L. Ridsdill |
| Lands | W. E. MacPhail |
| Parks | W. E. MacPhail |
| Timber | D. E. Gage |
| Scaling | L. C. Mantle |

Chief Rangers

| | |
|-----------------------|-----------------|
| Biscotasing | W. P. O'Donnell |
| Chapleau | L. T. Cecile |

DISTRICT — COCHRANE

OFFICE: Court House. Telephone 142.

District Forester F. L. Hall

Supervisors

| | |
|-----------------------------|-----------------|
| Accounts | A. N. Birney |
| Fish and Wildlife | S. Nodwell |
| Forest Protection | O. Welsh |
| Lands | G. Simmons |
| Parks | |
| Reforestation | J. Bell |
| Timber | P. Anslow |
| Scaling | S. E. McWhirter |

Chief Rangers

| | |
|--------------------|------------|
| Low Bush | R. Woodall |
| Cochrane | S. Russell |
| Timmins | C. R. Gray |

DISTRICT — FORT FRANCES

OFFICE: 232 Scott Street. Telephone Browning 4-6251.

District Forester R. A. Balkwill

Supervisors

| | |
|-----------------------------|--------------|
| Accounts | A. Kingerski |
| Fish and Wildlife | H. Pearson |
| Biologist | C. Elsey |
| Forest Protection | F. Miller |
| Surveys and Parks | L. Rawn |
| Reforestation | J. Mullen |
| Timber | H. Henry |
| Scaling | G. E. Mayhew |

Chief Rangers

| | |
|------------------------|----------------|
| Fort Frances | J. E. Anderson |
| Atikokan | F. Dustak |

DISTRICT — GERALDTON

OFFICE: 1821 Main Street (upper floor). Telephone 443.

District Forester G. E. MacKinnon

Supervisors

| | |
|-----------------------------|---------------------|
| Accounts | R. J. Langford |
| Fish and Wildlife | E. H. Stone |
| Biologist | J. Goddard (Acting) |
| Forest Protection | R. V. Brady |
| Lands and Parks | A. Grassier |
| Timber | F. C. Robinson |
| Scaling | J. W. E. Peden |

Chief Rangers

| | |
|----------------------|---------------|
| Longlac | H. N. Whalen |
| Nakina | J. A. Murphy |
| Pays Plat | A. J. McGoey |
| Geraldton | P. Bellavance |
| MacDiarmid | H. R. Redding |

DISTRICT — GOGAMA

OFFICE: Town of Gogama. Telephone 95.

District Forester A. E. Walroth

Supervisors

| | |
|-----------------------------|----------------|
| Accounts | J. Vance |
| Fish and Wildlife | R. C. Johanson |
| Forest Protection | J. Canfield |
| Lands | D. J. Shaw |
| Parks | D. J. Shaw |
| Timber | J. McKnight |
| Scaling | E. Dew |

Chief Rangers

| | |
|-------------------|------------------|
| Foleyet | J. R. Languerand |
| Gogama | |

DISTRICT — KAPUSKASING

OFFICE: Kapuskasing.

Telephone Edgewood 5-2231.

District Forester J. S. Ball

Supervisors

| | |
|-----------------------------|--------------|
| Accounts | J. Carswell |
| Fish and Wildlife | O. Lewis |
| Forest Protection | F. Dodds |
| Lands | T. Murphy |
| Parks | W. A. Perrin |
| Reforestation | P. Hare |
| Timber | R. A. Baxter |
| Scaling | E. A. Boice |

Chief Rangers

| | |
|-----------------------|----------------|
| Kapuskasing | J. H. Clavelle |
| Hearst | J. Shalla |
| Oba | B. Wilson |

DISTRICT — KEMPTVILLE

OFFICE: Kemptville. Telephone 413.

District Forester W. A. G. Thurston

Supervisors

| | |
|-----------------------------|----------------|
| Accounts | F. S. Bumstead |
| Fish and Wildlife | D. Sylvester |
| Biologist | J. B. Dawson |
| Forest Protection | E. A. Green |
| Lands and Parks | E. A. Green |
| Timber | H. R. Grinnell |

Nursery

Kemptville H. H. de Vries

DISTRICT — KENORA

OFFICE: 213-15 Main Street.

Telephone Homestead 8-9841.

District Forester F. E. Sider

Supervisor

| | |
|-----------------------------|--------------|
| Accounts | G. McChesney |
| Fish and Wildlife | P. Thompson |
| Biologist | |
| Forest Protection | B. T. Dunne |
| Lands | J. Wynd |
| Parks | H. V. Berg |
| Timber | D. J. Vance |
| Scaling | G. C. Mackey |

Chief Rangers

| | |
|------------------|--------------|
| Kenora | J. Mackay |
| Minaki | J. L. Hamill |
| Ignace | F. Nicoll |
| Dryden | J. Anderson |

DISTRICT — LAKE ERIE

OFFICE: Aylmer West. Telephone Aylmer 8.

District Forester J. K. Reynolds

Supervisors

| | |
|-----------------------------|-------------------|
| Accounts | G. B. Fewings |
| Fish and Wildlife | E. L. Skuce |
| Biologist | J. D. Roseborough |
| Forest Protection | |
| Lands | |
| Parks | K. A. Cameron |
| Timber | C. J. Heeney |

Nursery

St. Williams W. Bunting

Parks

| | |
|-----------------------------|-------------|
| Rondeau | R. McLaren |
| Pinery and Severn | C. C. Myers |
| Ipperwash | J. Matheson |

DISTRICT — LAKE HURON

OFFICE: R.R. No. 1, Hespeler,
Telephone Oliver 8-9356.

District Forester E. K. E. Dreyer

Supervisors

| | |
|-----------------------------|--------------|
| Accounts | H. MacKrow |
| Fish and Wildlife | E. Meadows |
| Biologist | R. E. Mason |
| Forest Protection | |
| Lands | |
| Parks | R. W. Jordan |
| Timber | W. Steele |

DISTRICT — LAKE SIMCOE

OFFICE: Maple. Telephone Avenue 5-1171.

District Forester A. W. Leman

Supervisors

Accounts F. Waghorne
Fish and Wildlife R. H. Trotter
Biologist
Forest Protection W. A. Armstrong
Lands and Parks A. Selwood
Timber S. R. Hamilton

Nurseries

Angus W. E. Edwards
Midhurst J. Halpenny

Parks

Sibbald's Point D. R. Cutts

DISTRICT — LINDSAY

OFFICE: Kent Street West, Lindsay.
Telephone Fairview 4-6121.

District Forester D. R. Wilson

Supervisors

Accounts H. C. Wallwin
Fish and Wildlife R. W. Swanson
Biologist K. Irizawa
Forest Protection W. Kitt
Lands F. Flood
Parks P. R. Davidson
Timber E. F. Johnston
Scaling R. A. Quirt

Chief Rangers

Minden P. J. Cassidy
Gooderham W. Sarginson

Parks

Presqu'ile P. J. Kennedy

Nursery

Orono G. M. Linton

DISTRICT — NORTH BAY

OFFICE: 263a Main Street North.
Telephone Grover 2-9360.

District Forester W. B. Clarke
Assistant District Forester D. M. Peacock

Supervisors

Accounts J. E. Rogers
Fish and Wildlife A. M. Hodgson
Biologist J. F. Gage
Forest Protection D. M. Peacock
Lands W. Turnbull
Parks A. D. Tremblay
Timber R. Lockhart
Scaling R. T. Fraser

Chief Rangers

Temagami
North Bay L. L. Bronson

ONTARIO FOREST RANGER SCHOOL

Dorset. Telephone Roger 6-2242.

Director J. L. Mennill
Accounts J. Palmer

Instructors

E. Goodman
W. A. Morris
G. Pennock
W. P. Small
D. L. Lillow

DISTRICT — PARRY SOUND

OFFICE: 34 Sequin Street. Telephone Riverside 6-2141.

District Forester M. A. Adamson
Assistant District Forester J. E. Dickenson

Supervisors

Accounts G. F. Walter
Fish and Wildlife J. A. Macfie
Biologist C. W. Douglas
Forest Protection D. Burns
Lands T. H. E. Croswell
Parks W. R. Peck
Reforestation W. K. Fullerton
Timber W. E. Dyer
Scaling A. J. Tracy

Chief Rangers

Parry Sound R. E. Simpson
Powassan W. J. Barber
Bracebridge G. P. Elliott

DISTRICT — PEMBROKE

OFFICE: 68 Pembroke Street. Telephone Regent 2-3661.

District Forester R. C. Passmore
Assistant District Forester D. A. Fawcett

Supervisors

Accounts G. Bragg
Fish and Wildlife H. E. Deedo
Biologist
Forest Protection D. A. Fawcett
Lands J. Orme
Parks J. E. Collard
Timber C. R. Groves

Chief Rangers

Pembroke R. N. Cousineau
Whitney H. Hanes
Stonecliffe J. J. R. Tait

Parks

Algonquin

DISTRICT — PORT ARTHUR

OFFICE: Forestry Building, Algoma Street North.
Telephone 5-6543.

District Forester W. L. Sleeman

Supervisors

| | |
|-----------------------------|------------------|
| Accounts | J. Chadwick |
| Fish and Wildlife | D. J. D'Agostini |
| Biologist | J. C. Weir |
| Forest Protection | M. Sauerbrei |
| Lands | W. Jarvis |
| Parks | E. Diamond |
| Timber | W. W. Wahl |

Chief Rangers

| | |
|--------------------------|----------------|
| Port Arthur | W. Taylor |
| Black Sturgeon | H. G. Reynolds |
| Shebandowan | G. Murray |

Nursery

Fort William E. M. Cressman

DISTRICT — SAULT STE. MARIE

OFFICE: Airdrome Building. Telephone Algoma 6-7461.

District Forester J. W. Lockwood

Supervisors

| | |
|-----------------------------|----------------|
| Accounts | J. C. Kindness |
| Fish and Wildlife | N. D. Patrick |
| Biologist | N. D. Patrick |
| Forest Protection | T. Woodside |
| Lands | L. Smith |
| Parks | |
| Timber | E. F. Anderson |

Chief Rangers

| | |
|----------------------------|---------------|
| Blind River | J. A. Huppe |
| Sault Ste. Marie | C. Tregonning |
| Sand Lake | E. Montgomery |

DISTRICT — SIOUX LOOKOUT

OFFICE: 38 Front Street. Telephone 740.

District Forester W. G. Cleaveley
Assistant District Forester J. E. Barnes

Supervisors

Accounts D. Munch
Fish and Wildlife C. E. Perrie
Forest Protection E. W. Bouchey
Lands S. N. Johnson
Parks
Reforestation V. W. Fisk
Timber J. K. Gaughan
Scaling E. L. Sullivan

Chief Rangers

Armstrong H. S. Anderson
Pickle Lake E. Guertin
Red Lake D. R. Williams
Sioux Lookout F. J. Atkinson
Ignace F. Nicoll

DISTRICT — SUDBURY

OFFICE: 7 Cedar. Telephone Osbourne 5-8394.

District Forester G. A. Hamilton
Assistant District Forester E. A. Lewis

Supervisors

Accounts G. Jennings
Fish and Wildlife C. Bibby
Biologist
Forest Protection G. Bulloch
Lands A. S. Currie
Parks
Reforestation A. W. Chalk
Timber J. F. Flowers
Scaling C. J. Munro

Chief Rangers

Skead V. Bragg
Espanola E. Morin
Sudbury W. Wetow

DISTRICT — SWASTIKA

OFFICE: Swastika. Telephone Kirkland Lake 3090.

District Forester G. F. Coyne

Supervisors

| | |
|-----------------------------|--------------|
| Accounts | H. Michiel |
| Fish and Wildlife | D. Waldriff |
| Biologist | |
| Forest Protection | G. Barna |
| Lands | J. McDougall |
| Parks | H. Mattson |
| Reforestation | D. A. Scott |
| Timber | F. Janser |
| Scaling | F. Thib |

Chief Rangers

| | |
|--------------------|--------------|
| Elk Lake | W. A. Adair |
| Matheson | V. L. Wilson |
| Swastika | H. Stuart |

Nursery

Superintendent A. H. Peacock

DISTRICT — TWEED

OFFICE: Tweed. Telephone 361.

District Forester J. M. Taylor
Assistant District Forester J. D. Hughes

Supervisors

| | |
|-----------------------------|-----------------|
| Accounts | W. H. Porch |
| Fish and Wildlife | H. S. Dornan |
| Biologist | R. E. Whitfield |
| Forest Protection | McKinley Wilson |
| Lands | A. E. Beach |
| Parks | W. H. Cantelon |
| Timber | J. Keenan |
| Scaling | J. K. K. Legris |

Chief Rangers

| | |
|--------------------|-----------------|
| Dacre | M. D. Mulvihill |
| Bancroft | O. Goodman |
| Tweed | L. Fleguel |

DISTRICT — WHITE RIVER

OFFICE: White River. Telephone 186.

District Forester A. L. Dunne
Assistant District Forester

Supervisors

Accounts. W. C. Johnstone
Biologist C. F. Schenk
Fish and Wildlife E. A. Pozzo
Forest Protection B. B. Benson
Lands and Parks J. Small
Reforestation J. D. Griffiths
Timber L. H. Eckel
Scaling J. E. Rumney

Chief Rangers

Jamestown C. Macdonald
Franz
Mobert V. E. Niemi

RESEARCH BRANCH

The Forestry Act of 1927 gave formal recognition to the need for a research programme. A five-man Forestry Board, established under the Act, was composed of members of the Department, the University of Toronto and of forest industries. The recommendations of the Board led to the formation of a research group in the Forestry Branch of the Department in 1929. Five foresters were employed, two at Head Office and three in the field in the Districts of Sault Ste. Marie, Sudbury and North Bay. The depression of the 1930's and the reversal of government policy led to the dismissal of the group in 1935.

The Research Branch was established as part of a Department re-organization in 1941, but it was not until 1944 that a staff could be recruited and employed under a full-time Chief.

R. N. Johnston was appointed Chief on January 1st, 1944. He was appointed Director on October 1st, 1957.

Southern Research Station was established in 1944 near Maple where it provided a headquarters and laboratory space for the majority of the staff.

FORESTRY

Since 1944, field establishments for forest research have been set up in six of the seven Administrative Regions of the Province: at Port Arthur in the Mid-Western Region in 1947; Dorest, South-Central, 1950; Cochrane, Northern, 1951; Maple, South-Western, 1953; Tweed, South-Eastern, 1957; and at Sault Ste. Marie, Central, 1959. The Mid-Western Research Unit carries out some projects in the Western Region.

Forestry research units study the silvics of commercial tree species, and their reproduction and growth under various conditions, with the object of developing cultural practices which will ensure maximum production within economic limits.

A site research programme has been carried on since 1944 to provide a frame work for forest management by establishing ecological types--combinations of landform, soil, climate and forests. Eleven site regions have been established. Characteristic forest successions and production occur within every region.

RESEARCH BRANCH

Chief: R. N. JOHNSTON

Assistant Chief: A. P. LESLIE

Executive Officer: A. R. FENWICK

Fisheries
K. H. LOFTUS

Wildlife
C. D. FOWLE

Forestry
A. P. LESLIE
Tree Breeding: C. Heimburger
Site: G. A. Hills
Reforestation: R. E. Mullin
Regional Units: D. H. Burton
Statistics: T. W. Dwight

Mechanics
M. H. BAKER

Physics
D. V. ANDERSON

The tree breeding programme, begun in 1946, has two main projects: the selection and propagation of superior strains of white pine resistant to blister rust and weevil; and fast-growing poplars of good form. More recently, smaller programmes have been started—two-needled pines in 1954, chestnuts in 1955, and white cedar in 1956.

Forest mensuration studies are concerned with volume tables and tree growth. These studies were started in 1950, discontinued in 1956 and resumed in 1959.

In 1954, a research group was established to assist in the solution of forest nursery problems, of a technical nature, and of problems connected with the establishment and care of plantations.

SERVICE GROUPS

In 1944, a mechanical research and service section was organized to test, develop and improve equipment to meet the special needs of the Department.

In 1948, a start was made in the establishment of a small group for the development, investigation and analysis of statistical models and designs for research.

FISHERIES AND WILDLIFE

Research programmes in fisheries and wildlife were added in 1946 when the Department of Game and Fisheries was merged with the Department of Lands and Forests. Previously, such research had been limited to several wildlife projects in Provincial Parks.

Fisheries

In 1946, a fisheries research section was established to conduct studies directed towards an understanding of the causes of changes in the abundance of fish species from year to year, and towards the development of practical techniques for the Department's management staff. This work includes the development of improved hybrids and participation in sea lamprey control.

The Ontario Government had provided a laboratory on Lake Opeongo in Algonquin Provincial Park where the University of Toronto had carried out a fisheries research² programme since 1937. The Department took

over the laboratory in 1947 since when it has been used by both the Department and the University.

In 1947, fisheries experimental work was started at South Bay, Manitoulin Island. When completed in 1951, the Department's laboratory at South Baymouth became the headquarters for fisheries research on Lake Huron. Since then, field research has been extended to Lake Erie, Lake Ontario and Lake Superior. The Department's programme continues to emphasize Great Lakes fisheries research.

In 1948, provision was made for laboratory research work in freshwater biology by the construction of a laboratory of experimental limnology at Southern Research Station. Both the Department and the University of Toronto use the facilities under an agreement similar to that under which the Lake Opeongo laboratory is operated. Joint committees advise on research by the two organizations.

Commencing in 1953 with the employment of a physicist, a sizeable group had developed by the spring of 1959 to carry out a physical limnology programme on the Great Lakes. This group was disbanded by the Department in the summer of 1959, and the work was transferred to the University of Toronto.

Wildlife

In 1945, a wildlife research centre was established on a wilderness area in Algonquin Provincial Park.

In 1946, a wildlife section was established with headquarters at Southern Research Station to study factors determining the number and behaviour of mammals and birds, and the development of techniques for wildlife management. Ecological studies (on small animals and ruffed grouse) and deer censusing began.

Characteristically, the programme (as it has developed) has included investigations of big game (deer, moose and caribou), fur-bearing mammals (mainly beaver, marten and otter) and wolves. Other studies are concerned with diseases and parasites of birds, mammals and waterfowl.

In 1956, a programme was started to study the relationships between forests and wildlife—mainly forest damage caused by deer, rodents and hares.

TIMBER BRANCH

The first timber sales were made in Ontario in 1826; previous to this date the only persons authorized to cut timber on public lands were contractors for the Royal Navy, or those holding licences for them. In 1827 the system of sale of timber licences by public auction at a lump sum bonus price in addition to Crown dues was established; this system for the sale of Crown timber licences remained generally unchanged until 1903. From 1903 to 1924, timber sales were made on a basis of bid per thousand feet board measure or other unit of measure over and above Crown dues at which it could be sold, with prices tendered above the Crown dues and upset price being considered as bid price; this in general is the basis for the present sales.

From 1826 to Confederation there was a total area of 12,000 square miles under timber licence, from which \$100,000.00 was collected for bonus. During the period 1866 to 1903, when the last lump sum bonus sale was made, an additional 12,000 square miles was placed under licence; the average bonus received on these sales was about \$2,000.00 per square mile.

The Doyle Rule was the recognized rule for measuring timber sales in Ontario from 1879 to 1953 at which time the Ontario Rule was adopted.

The fiscal year 1908-1909 shows the largest cut of red and white pine in Ontario's history; that year 192,000,000 cu. ft. were cut; since that time the cut has gradually been reduced.

Up until 1935 the management of timber resources in the field was looked after by Crown Timber Agents who dealt with Head Office direct; since that time all phases of Forest Management have been under the control of the District Forester in each District.

In 1946 the Division of Timber Management commenced a survey of the exploitable forest resources of the Province. Since that date 284,908 square miles have been aerial photographed, 249,155 square miles planimetric mapped, 35,753 square miles photo mapped, and 138,759 square miles have been field sampled. In addition to this, companies have supplied forest data on 80,000 square miles.

TIMBER BRANCH

Chief: J. A. BRODIE

Assistant Chief: M. B. MORISON

Reforestation Section

Supervisor: R. W. Hummel

Tree Production and Distribution
Soil Amendment Programmes
Extension Forestry

Silviculture Section

Supervisor: A. J. Herridge

Forest Inventory
Management Planning
Silviculture Operations

Timber Section

Supervisor: L. Ringham

Sales, Licensing
Stumpage Appraisal
Scaling

Office Management

Special Projects

The inventory was completed during the 1958-59 fiscal year when re-photography began. The process of continuous inventory ensures the maintenance of detailed information on individual stands across extensive areas.

The Divisions of Timber Management and Reforestation were joined as Division of Timber on December 1st, 1957. A third Branch, Silviculture, was added during the following fiscal year. Re-named Branch in 1959, Timber has three Sections with responsibilities as follows:

TIMBER—timber sales and timber licences.

SILVICULTURE—forest inventory, planning, stand improvement and planting.

REFORESTATION—all phases of tree production, extension forestry and agreement forests.

J. A. Brodie was appointed Chief on December 1st, 1957.

REFORESTATION SECTION

Reforestation was first undertaken by the Ontario Government in 1905 when a small quantity of seedlings was grown at the Ontario Agricultural College at Guelph for use in reforesting waste lands. The nursery was transferred to St. Williams when the first Forest Station was established there in 1908. The programme was developed under the Ontario Forestry Branch in charge of Dr. E. J. Zavitz, who became Chief of the new Division of Reforestation when the Department of Lands and Forests was reorganized in May, 1941.

The main function of the Section is the restocking of forest lands by sowing seed and planting trees to protect water supplies and soil, to provide habitat for game and fish, and to sustain the forest and allied industries, for the general benefit and welfare of present and future generations in the Province.

The Section's services are available for private lands although The Forestry Act, 1952, limits the purposes and areas for which nursery stock may be furnished and imposes charges to be made for trees furnished in respect of such lands.

LICENSED AREAS, 1947-1954

| Year | Number of Licences | Timber Licences Area | Pulpwood and Timber Agreements | Total of Area Licensed |
|-----------|-----------------------|----------------------------|--------------------------------------|------------------------------|
| | | | | sq. mi. |
| 1947..... | 906 | 11,710 | 56,745 | 68,455 |
| 1948..... | 945 | 12,095 | 66,254 | 78,349 |
| 1949..... | 906 | 11,975 | 66,980 | 78,955 |
| 1950..... | 849 | 11,913 | 69,860 | 81,773 |
| 1951..... | 811 | 10,810 | 74,257 | 85,067 |
| 1952..... | 815 | 10,892 | 83,316 | 94,208 |
| 1953..... | 793 | 10,802 | 87,007 | 97,809 |
| 1954..... | 763 | 11,292 | 87,007 | 98,299 |

TIMBER LICENCES CLASSIFIED IN ACCORDANCE WITH THE CROWN TIMBER ACT, 1952 As of March 31st

| Year | Number of Licences | Area Under Section 2 | Area Under Section 3 | Area Under Section 4 | Total Area Licensed |
|-----------|-----------------------|----------------------------|----------------------------|----------------------------|---------------------------|
| 1955..... | 731 | 6,435.50 | 85,075.40 | 21.10 | 91,532.00 |
| 1956..... | 748 | 6,140.05 | 88,273.71 | 170.26 | 94,585.02 |
| 1957..... | 604 | 5,600.65 | 89,952.49 | 200.94 | 95,754.08 |
| 1958..... | 586 | 5,354.80 | 98,149.46 | 181.33 | 103,685.59 |
| 1959..... | 569 | 4,520.62 | 99,612.16 | 199.90 | 104,332.68 |
| 1960..... | 573 | 4,206.22 | 99,818.60 | 186.98 | 104,211.80 |

MILLS LICENSED, 1947-1954

| Year | Sawmills Under 5M Feet | Sawmills 5M To 30M Feet | Sawmills Over 30M Feet | Pulp Mills And/Or Paper Mills |
|-----------|------------------------------|-------------------------------|------------------------------|-------------------------------------|
| 1947..... | 506 | 655 | 42 | 35 |
| 1948..... | 544 | 661 | 49 | 35 |
| 1949..... | 562 | 681 | 40 | 35 |
| 1950..... | 597 | 713 | 43 | 35 |
| 1951..... | 667 | 682 | 53 | 35 |
| 1952..... | 640 | 676 | 58 | 35 |
| 1953..... | 624 | 681 | 58 | 31 |
| 1954..... | 631 | 642 | 56 | 29 |

MILL LICENCES CLASSIFIED IN ACCORDANCE WITH THE CROWN TIMBER ACT, 1952 As of March 31st

| Year | Sawmills Under 10,000 ft. Daily Capacity | Sawmills From 10-50,000 ft. Daily Capacity | Sawmills Over 50,000 ft. Daily Capacity | Pulp Mills and/or Paper Mills | Total of Mills Licensed |
|-----------|--|--|---|--|-------------------------------|
| 1955..... | 1,120 | 159 | 58 | 29 | 1,366 |
| 1956..... | 1,115 | 162 | 59 | 29 | 1,365 |
| 1957..... | 1,120 | 160 | 57 | 29 | 1,366 |
| 1958..... | 1,124 | 158 | 57 | 29 | 1,368 |
| 1959..... | 1,120 | 135 | 54 | 29 | 1,338 |
| 1960..... | 646 | 129 | 23 | 24 | 822 |

VOLUME OF WOOD CUT IN ONTARIO (000's Cubic Feet In Years Ending March 31st)

| SPECIES | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 |
|--------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| SOFTWOOD | | | | | | | | | | | | |
| Balsam | 15,003 | 13,802 | 9,418 | 12,547 | 16,057 | 11,860 | 13,223 | 14,093 | 14,374 | 13,766 | 12,213 | 10,988 |
| Cedar | 180 | 126 | 127 | 96 | 234 | 197 | 97 | 738 | 459 | 284 | 711 | 280 |
| Hemlock | 5,272 | 6,299 | 5,753 | 6,679 | 8,933 | 5,808 | 4,368 | 3,872 | 5,321 | 5,050 | 2,567 | 3,046 |
| Jack Pine | 85,545 | 81,862 | 58,175 | 85,604 | 108,859 | 81,644 | 75,488 | 81,779 | 88,664 | 99,997 | 78,225 | 68,415 |
| R & W Pine | 26,315 | 30,459 | 25,586 | 30,605 | 34,334 | 34,562 | 27,612 | 30,528 | 33,679 | 32,321 | 25,238 | 21,606 |
| Spruce | 208,678 | 174,652 | 134,310 | 207,318 | 251,831 | 155,873 | 163,447 | 175,666 | 205,320 | 207,392 | 180,096 | 157,544 |
| Tamarac | 7 | 16 | 10 | 7 | 10 | 12 | 16 | 25 | 102 | 56 | 64 | 25 |
| Fuelwood | 1,951 | 1,546 | 719 | 673 | 4,677 | 3,396 | 2,354 | 3,001 | 2,401 | 2,536 | 2,359 | 2,338 |
| Others . . . . . | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 22 | 32 | 22 | 8 | 11 |
| TOTAL | 342,951 | 308,761 | 234,098 | 343,530 | 424,936 | 293,352 | 286,605 | 309,724 | 348,352 | 361,424 | 301,390 | 264,253 |
| HARDWOOD | | | | | | | | | | | | |
| Birch | 4,764 | 5,541 | 6,303 | 6,679 | 7,892 | 8,623 | 8,589 | 7,506 | 7,437 | 7,627 | 8,631 | 7,504 |
| Maple | 2,053 | 2,499 | 1,976 | 2,361 | 3,592 | 3,043 | 2,207 | 2,265 | 4,441 | 3,989 | 4,261 | 3,639 |
| Poplar | 11,576 | 13,653 | 6,036 | 12,478 | 22,049 | 14,272 | 15,756 | 12,955 | 16,921 | 19,244 | 20,205 | 17,729 |
| Fuelwood | 1,652 | 1,054 | 1,166 | 568 | 1,530 | 1,577 | 1,293 | 1,802 | 1,813 | 1,982 | 1,532 | 1,630 |
| Others | 1,755 | 1,061 | 1,148 | 1,145 | 1,335 | 968 | 691 | 552 | 924 | 789 | 819 | 852 |
| TOTAL | 21,780 | 23,807 | 16,628 | 23,231 | 36,398 | 28,483 | 28,536 | 25,081 | 31,536 | 33,630 | 35,448 | 31,355 |
| TOTAL CUT | 364,751 | 332,568 | 250,727 | 366,761 | 461,334 | 321,835 | 315,141 | 334,806 | 379,888 | 395,054 | 336,838 | 295,608 |
| (Export Levy Not Included) | | | | | | | | | | | | |
| TOTAL VALUE in \$000 . . . . . | ..... | ..... | ..... | ..... | ..... | 10,428 | 10,756 | 11,473 | 12,039 | 13,363 | 11,412 | 10,155 |

TIMBER CUT IN ONTARIO (in 000's Cubic Feet and \$000's) in Years Ending March 31st

| YEAR | Permits Issued | Ontario Scale | Doyle Scale | Sawlogs | Boom* Timber | Pulp- wood | Fuel- wood | Christmas† Trees | Misc. | Total Volume | Dues | Bonus | Value |
|------|-------------------|------------------|----------------|---------|-----------------|---------------|---------------|---------------------|-------|-----------------|----------|---------|----------|
| 1954 | ..... | 46,025 | 25,267 | 12,119 | 851 | 225,659 | 3,647 | 27,430 | 1,574 | 315,141 | \$ 8,581 | \$2,175 | \$10,756 |
| 1955 | ..... | 61,493 | 5,826 | 12,029 | 2,378 | 245,988 | 4,804 | 43,330 | 2,288 | 334,806 | 9,135 | 2,523 | 11,658 |
| 1956 | 5,403 | 77,087 | 352 | 33,326 | 2,259 | 262,146 | 4,214 | 64,325 | 505 | 379,888 | 9,619 | 2,573 | 12,191 |
| 1957 | 5,192 | 73,986 | 239 | 22,967 | 2,781 | 289,985 | 4,517 | 44,945 | 579 | 395,054 | 10,740 | 2,774 | 13,514 |
| 1958 | 5,051 | 55,938 | 106 | 27,762 | 2,796 | 245,161 | 3,891 | 16,106 | 1,184 | 336,838 | 8,987 | 2,578 | 11,565 |
| 1959 | 5,421 | 51,470 | 21 | 28,687 | 2,644 | 207,003 | 3,968 | 22,655 | 1,170 | 295,608 | 7,950 | 2,346 | 10,297 |

*Boom Timber, Piling, Poles, Booms and Dimension Timber.

†Number of trees, averaging ½ cubic feet, each.

TIMBER CUT IN DISTRICTS (in 000's cubic feet and \$000's) in Year Ending March 31, 1959

| DISTRICT | Permits Issued | Ontario Scale | Doyle Scale | Sawlogs | Boom* Timber | Pulp-wood | Fuel-wood | Christmas Trees | Misc. | Total Volume | Dues | Bonus | Value |
|------------------|----------------|---------------|-------------|---------|--------------|-----------|-----------|-----------------|-------|--------------|--------|-------|--------|
| Chapleau..... | 182 | 1,599 | .... | 9,119 | 12 | 5,438 | 197 | .... | .... | 16,364 | \$ 386 | \$ 64 | \$ 450 |
| Cochrane..... | 563 | 1,252 | .... | 158 | 17 | 23,138 | 529 | .... | 306 | 25,401 | 764 | 133 | 899 |
| Fort Frances... | 189 | 614 | 7 | .... | 49 | 8,969 | 51 | 18,270 | 17 | 9,706 | 220 | 50 | 270 |
| Geraldton..... | 330 | .... | .... | 1,986 | 194 | 51,903 | 268 | .... | 80 | 54,887 | 1,491 | 131 | 1,622 |
| Gogama..... | 56 | 3,508 | .... | 1,697 | 79 | 5,130 | 48 | .... | 8 | 10,469 | 266 | 75 | 341 |
| Kapuskasing... | 991 | 551 | .... | 5,669 | 19 | 35,821 | 411 | .... | 9 | 42,480 | 1,315 | 311 | 1,626 |
| Kenora..... | 317 | 25 | 14 | 408 | 67 | 23,296 | 70 | 80 | 72 | 23,952 | 664 | 76 | 740 |
| Lindsay..... | 31 | 1,644 | .... | .... | 1 | 139 | 10 | .... | 1 | 1,794 | 40 | 29 | 70 |
| Maple..... | 9 | 2 | .... | .... | .... | .... | 3 | .... | .... | 5 | .... | .... | .... |
| North Bay.... | 546 | 6,574 | .... | .... | 95 | 2,328 | 209 | .... | 25 | 9,275 | 195 | 202 | 397 |
| Parry Sound... | 290 | 3,933 | .... | .... | 33 | 496 | 222 | .... | 2 | 4,694 | 100 | 95 | 194 |
| Pembroke..... | 78 | 9,384 | .... | 17 | 501 | 965 | 46 | 4,130 | 8 | 10,922 | 265 | 325 | 590 |
| Port Arthur... | 326 | 340 | .... | 4,613 | 447 | 21,129 | 81 | 175 | .... | 26,750 | 738 | 184 | 922 |
| Sault Ste. Marie | 112 | 9,293 | .... | 3 | 4 | 234 | 50 | .... | .... | 9,584 | 250 | 249 | 499 |
| Sioux Lookout. | 247 | 2,004 | .... | 1,149 | 418 | 13,280 | 1,112 | .... | 612 | 18,574 | 510 | 47 | 557 |
| Sudbury..... | 456 | 1,965 | .... | 190 | 21 | 424 | 300 | .... | 12 | 2,911 | 65 | 68 | 133 |
| Swastika..... | 478 | 5,025 | .... | 2,001 | 60 | 2,674 | 302 | .... | 7 | 10,069 | 226 | 151 | 378 |
| Tweed..... | 169 | 2,725 | .... | .... | 599 | 1,215 | 14 | .... | 4 | 4,558 | 99 | 98 | 196 |
| White River... | 51 | 1,032 | .... | 1,678 | 28 | 10,422 | 46 | .... | 7 | 13,212 | 357 | 59 | 415 |
| TOTAL.... | 5,421 | 51,470 | 21 | 28,687 | 2,644 | 207,003 | 3,968 | 22,655 | 1,170 | 295,608 | 7,950 | 2,346 | 10,297 |

*Boom Timber, Piling, Poles, Booms and Dimension Timber.

†Number of trees, averaging ½ cubic feet, each.

MANAGEMENT UNITS (As of March 31st)

| YEAR | COMPANY | | CROWN | | TOTAL | |
|-----------|---------|---------|-------|---------|-------|---------|
| | No. | Sq. Mi. | No. | Sq. Mi. | No. | Sq. Mi. |
| 1954..... | 36 | ..... | 87 | ..... | 123 | ..... |
| 1955..... | 36 | ..... | 81 | ..... | 117 | ..... |
| 1956..... | 39 | 78,382 | 82 | ..... | 121 | ..... |
| 1957..... | 41 | 78,837 | 80 | 129,551 | 121 | 208,388 |
| 1958..... | 43 | 85,034 | 81 | 125,397 | 124 | 210,431 |
| 1959..... | 48 | 89,754 | 77 | 120,165 | 125 | 210,919 |
| 1960..... | 101 | 100,408 | 72 | 83,294 | 173 | 183,702 |

MANAGEMENT PLANS RECEIVED

| | | | | | | |
|-----------|----|--------|----|---------|-----|---------|
| 1954..... | 22 | 50,106 | 36 | 34,308 | 58 | 84,414 |
| 1955..... | 24 | 52,000 | 77 | 126,000 | 101 | 178,000 |
| 1956..... | 27 | 57,706 | 72 | 119,015 | 99 | 176,721 |
| 1957..... | 29 | 61,730 | 72 | 119,015 | 101 | 180,745 |
| 1958..... | 30 | 62,773 | 74 | 119,596 | 104 | 182,369 |
| 1959..... | 33 | 66,043 | 65 | 111,669 | 98 | 177,712 |
| 1960..... | 62 | 61,540 | 66 | 80,646 | 128 | 142,186 |

AERIAL SURVEYS

A schedule has been established to re-photograph the presently exploitable forest area within the period 1958 to 1967. Under this schedule the following forest districts have been re-photographed:

| | |
|---------|---|
| 1958-59 | Pembroke, North Bay |
| 1959-60 | Sudbury, Swastika |
| 1960-61 | Parry Sound, northern part of Lindsay and Tweed |

AREA PHOTOGRAPHED DURING TEN YEARS

(By private contractors and the former Aerial Surveys Section)

| | | | | |
|---------|-----------|---------------------|---|---|
| 1951-52 | | 11,400 square miles | | |
| 1952-53 | | 24,157 | " | " |
| 1953-54 | | 58,527 | " | " |
| 1954-55 | | 7,577 | " | " |
| 1955-56 | | 26,025 | " | " |
| 1956-57 | | 1,345 | " | " |
| 1957-58 | | 8,195 | " | " |
| 1958-59 | | 11,484 | " | " |
| 1959-60 | | 7,244 | " | " |
| 1960-61 | | 20,157 | " | " |

REFORESTATION ESTABLISHMENTS

As at March 31st, 1960

| SEED PLANTS | YEAR ESTAB- LISHED |
|-------------------|--------------------------|
| Angus..... | 1923 |
| St. Williams..... | 1908 |

NURSERIES

| | |
|-----------------------|------|
| Chapleau..... | 1956 |
| Dryden..... | 1958 |
| Englehart..... | 1955 |
| Fort William..... | 1946 |
| Gogama..... | 1956 |
| Kemptville..... | 1946 |
| Midhurst..... | 1922 |
| North Bay..... | 1954 |
| Orono..... | 1922 |
| Sault Ste. Marie..... | 1956 |
| St. Williams..... | 1908 |
| Swastika..... | 1958 |
| White River..... | 1956 |

DEMONSTRATION FORESTS

| | |
|-------------------------------------|------|
| Angus..... | 1923 |
| Bloomfield (Sand Banks Forest)..... | 1920 |
| Elizabethville (Prouse Forest)..... | 1946 |
| Fort William..... | 1946 |
| Kemptville..... | 1946 |
| Midhurst..... | 1922 |
| Orono..... | 1922 |
| St. Thomas (McKay Forest)..... | 1940 |
| St. Williams..... | 1908 |
| Speyside..... | 1942 |

*DISPOSITION OF NURSERY STOCK

| | |
|---|------------|
| Planted on Crown Lands..... | 23,448,118 |
| Planted in Forests Managed by the Minister..... | 4,114,129 |
| Supplied to Owners of Private Lands..... | 13,809,125 |
| Education and Scientific Purposes..... | 9,798 |
| Miscellany, Departmental Exhibits, etc..... | 134,655 |
| Stored at Planting Sites, etc..... | 166,300 |
| TOTAL..... | 41,682,125 |

*In year ended March 31st, 1960.

**SUMMARY OF NURSERY STOCK FURNISHED
FROM NURSERIES OPERATED BY
THE DEPARTMENT**

| PERIOD | TOTAL TREES |
|---------------------|-----------------|
| 1905-1912 | 1,480,539 |
| 1913-1925 | 13,096,866 |
| 1926 | 4,433,409 |
| 1927 | 7,104,319 |
| 1928 | 11,138,985 |
| 1929 | 12,789,568 |
| 1930 | 11,175,894 |
| 1931 | 11,846,920 |
| 1932 | 10,303,569 |
| 1933 | 9,422,463 |
| 1934 | 9,760,730 |
| 1935 | 10,663,155 |
| 1936 | 10,109,772 |
| 1937 | 11,261,644 |
| 1938 | 12,339,993 |
| 1939 | 16,921,906 |
| 1940 | 17,266,697 |
| 1941 | 13,511,299 |
| 1942 | 11,303,187 |
| 1943 | 10,522,917 |
| 1944 | 10,999,379 |
| 1945 | 11,280,981 |
| 1946 | 13,175,575 |
| 1947 | 12,269,533 |
| 1948 | 13,049,776 |
| 1949 | 17,700,970 |
| 1950 | 19,027,807 |
| 1951-1952 | 20,749,268 |
| 1952-1953 | 24,241,754 |
| 1953-1954 | 23,448,860 |
| 1954-1955 | 25,519,383 |
| 1955-1956 | 28,351,483 |
| 1956-1957 | 31,081,112 |
| 1957-1958 | 25,854,262 |
| 1958-1959 | 33,414,110 |
| 1959-1960 | 41,682,125 |
| TOTAL | 568,300,210 |

TREES FURNISHED FOR PLANTING ON PRIVATE LANDS

| COUNTY OR DISTRICT | 1954-55 | 1955-56 | 1956-57 | 1957-58 | 1958-59 | 1959-60 |
|---------------------------|-----------|-----------|-----------|-----------|---------|---------|
| Algoma..... | 276,650 | 271,350 | 239,350 | 316,525 | 387,525 | 426,425 |
| Brant..... | 221,600 | 166,675 | 243,950 | 105,775 | 120,350 | 161,450 |
| Bruce..... | 202,165 | 190,150 | 121,625 | 162,100 | 165,675 | 143,050 |
| Carleton..... | 113,950 | 155,675 | 106,425 | 157,175 | 180,500 | 148,275 |
| Cochrane..... | 700 | 13,700 | 11,600 | 8,200 | 1,800 | 17,800 |
| Dufferin..... | 555,125 | 890,575 | 1,191,975 | 594,375 | 784,725 | 471,000 |
| Dundas..... | 26,975 | 49,650 | 36,800 | 43,225 | 24,050 | 52,925 |
| Durham..... | 1,271,050 | 1,558,125 | 1,294,825 | 1,078,025 | 692,450 | 729,450 |
| Elgin..... | 174,550 | 230,875 | 216,650 | 125,775 | 117,275 | 146,875 |
| Essex..... | 47,925 | 45,925 | 40,525 | 34,650 | 44,500 | 73,300 |
| Frontenac..... | 77,075 | 76,850 | 77,475 | 76,500 | 117,925 | 171,025 |
| Glengarry..... | 18,675 | 19,050 | 15,025 | 12,825 | 86,675 | 43,400 |
| Grenville..... | 123,100 | 51,575 | 56,700 | 62,650 | 79,550 | 133,925 |
| Grey..... | 628,075 | 687,950 | 569,955 | 590,375 | 695,150 | 753,825 |
| Haldimand..... | 63,225 | 57,050 | 52,725 | 25,000 | 50,425 | 84,025 |
| Haliburton..... | 111,675 | 161,250 | 162,825 | 174,525 | 166,200 | 147,300 |
| Halton..... | 320,775 | 275,200 | 164,700 | 150,650 | 209,175 | 200,200 |
| Hastings..... | 260,650 | 390,900 | 498,500 | 301,425 | 327,725 | 446,000 |
| Huron..... | 299,500 | 314,695 | 282,000 | 252,175 | 256,850 | 250,750 |
| Kenora..... | 26,500 | 9,950 | 13,850 | 8,100 | 12,950 | 8,625 |
| Kent..... | 107,650 | 131,975 | 119,175 | 70,575 | 108,600 | 105,825 |
| Lambton..... | 229,975 | 118,625 | 113,475 | 118,950 | 111,000 | 161,375 |
| Lanark..... | 157,100 | 177,425 | 146,775 | 178,950 | 203,800 | 212,825 |
| Leeds..... | 58,775 | 58,700 | 48,300 | 44,900 | 74,050 | 93,900 |
| Lennox and Addington..... | 50,425 | 60,500 | 103,200 | 126,400 | 120,750 | 172,325 |
| Lincoln..... | 49,825 | 57,800 | 48,350 | 32,800 | 71,900 | 57,025 |
| Manitoulin..... | 69,525 | 269,600 | 309,650 | 151,300 | 59,700 | 61,325 |

| | | | | | |
|---------------------|------------|------------|------------|------------|------------|
| Middlesex..... | 192,725 | 237,650 | 135,825 | 174,450 | 147,100 |
| Muskoka..... | 799,300 | 564,575 | 511,700 | 422,375 | 483,475 |
| Nipissing..... | 242,125 | 159,200 | 205,975 | 139,800 | 149,250 |
| Norfolk..... | 234,800 | 281,550 | 287,100 | 282,775 | 312,200 |
| Northumberland..... | 588,825 | 388,075 | 260,275 | 279,650 | 317,650 |
| Ontario..... | 635,375 | 510,475 | 528,075 | 548,225 | 675,075 |
| Oxford..... | 198,100 | 127,000 | 102,700 | 179,450 | 146,925 |
| Parry Sound..... | 1,085,300 | 909,600 | 771,325 | 722,275 | 556,375 |
| Peel..... | 333,300 | 320,275 | 349,175 | 510,475 | 353,275 |
| Perth..... | 104,325 | 133,550 | 47,500 | 81,850 | 157,150 |
| Peterborough..... | 290,900 | 241,425 | 212,250 | 196,690 | 162,725 |
| Prescott..... | 52,825 | 78,275 | 53,800 | 93,300 | 75,500 |
| Prince Edward..... | 25,400 | 17,975 | 9,675 | 18,600 | 21,350 |
| Rainy River..... | 7,275 | 36,250 | 20,100 | 154,925 | 179,700 |
| Renfrew..... | 330,600 | 264,200 | 324,100 | 346,875 | 386,675 |
| Russell..... | 16,375 | 47,125 | 54,150 | 38,825 | 150,400 |
| Simcoe..... | 1,964,500 | 1,755,850 | 1,710,525 | 1,312,420 | 1,444,225 |
| Stormont..... | 8,575 | 12,000 | 9,000 | 19,250 | 29,800 |
| Sudbury..... | 96,125 | 80,875 | 89,250 | 182,200 | 111,425 |
| Thunder Bay..... | 254,800 | 99,525 | 175,850 | 240,200 | 254,850 |
| Timiskaming..... | 23,375 | 32,100 | 47,525 | 9,300 | 23,450 |
| Victoria..... | 513,525 | 150,175 | 188,974 | 130,075 | 168,175 |
| Waterloo..... | 217,375 | 250,975 | 196,075 | 258,825 | 248,525 |
| Welland..... | 130,525 | 108,875 | 93,375 | 131,350 | 138,550 |
| Wellington..... | 580,925 | 647,825 | 485,950 | 339,550 | 525,100 |
| Wentworth..... | 260,925 | 313,200 | 198,650 | 263,925 | 348,650 |
| York..... | 603,175 | 797,775 | 441,275 | 638,005 | 785,325 |
| TOTAL..... | 14,559,040 | 16,254,270 | 12,523,099 | 12,986,865 | 13,809,125 |

TREES PLANTED ON FORESTS MANAGED BY THE MINISTER

| COUNTY | 1954-55 | 1955-56 | 1956-57 | 1957-58 | 1958-59 | 1959-60 |
|----------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Brant..... | ..... | ..... | 11,450 | ..... | ..... | ..... |
| Bruce..... | 181,900 | 215,000 | 136,050 | 70,000 | 70,700 | 87,000 |
| Dufferin..... | 7,000 | 3,000 | 10,000 | 1,500 | 10,000 | 33,500 |
| Grey..... | 241,750 | 134,400 | 276,500 | 232,500 | 184,200 | 182,799 |
| Halton..... | 18,450 | 37,300 | 36,700 | 12,800 | 14,000 | 26,500 |
| Huron..... | 84,300 | 14,220 | 10,000 | 59,000 | 114,100 | 72,000 |
| Kent..... | 9,000 | 7,200 | 10,000 | ..... | ..... | ..... |
| Lanark..... | ..... | 58,750 | 35,925 | ..... | ..... | ..... |
| Leeds and Grenville..... | 244,900 | 155,000 | 228,650 | 195,600 | 225,300 | 336,000 |
| Lennox and Addington..... | 65,100 | 3,600 | 60,000 | ..... | ..... | ..... |
| Middlesex..... | 48,850 | 22,600 | 7,000 | ..... | ..... | ..... |
| Northumberland and Durham..... | 299,638 | 250,100 | ..... | ..... | ..... | ..... |
| Ontario..... | ..... | 18,400 | 20,000 | ..... | 48,000 | 19,350 |
| Oxford..... | ..... | 43,650 | 26,600 | ..... | 96,750 | 61,050 |
| Prescott and Russell..... | 1,285,495 | 1,289,825 | 1,125,108 | 956,613 | 1,132,590 | 84,500 |
| Renfrew..... | ..... | 21,400 | 30,000 | 24,000 | 8,000 | 27,000 |
| Simcoe..... | 307,200 | 401,750 | 349,950 | 333,400 | 499,200 | 1,093,930 |
| Stormont, Dundas, Glengarry..... | 253,925 | 85,300 | 34,500 | 10,000 | 18,000 | ..... |
| Victoria..... | 50,000 | 29,000 | 14,600 | 129,247 | ..... | 345,500 |
| Waterloo..... | 20,400 | 61,500 | 113,200 | 13,500 | 193,000 | 66,000 |
| Wentworth..... | 49,000 | 165,300 | 86,800 | 86,500 | 19,500 | 138,225 |
| York..... | 53,600 | 95,900 | 108,200 | 23,200 | 127,600 | 95,000 |
| | | | | | 1,000 | ..... |
| | | | | | | 18,500 |
| SUB-TOTAL..... | 3,220,508 | 3,113,195 | 2,731,233 | 2,230,960 | 2,770,940 | 2,708,154 |

TREES PLANTED ON CROWN LANDS IN ONTARIO

| DISTRICT | 1954-55 | 1955-56 | 1956-57 | 1957-58 | 1958-59 | 1959-60 |
|-----------------------|-----------|-----------|------------|-----------|------------|------------|
| Aylmer..... | 60,974 | 68,796 | 69,123 | 188,177 | 828,616 | 70,598 |
| Chapleau..... | 127,000 | 572,040 | 1,004,100 | 789,600 | 1,751,000 | 3,037,004 |
| Cochrane..... | 451,175 | 490,262 | 791,800 | 525,118 | 1,028,400 | 1,176,842 |
| Fort Frances..... | 54,250 | 94,550 | 535,000 | 629,800 | 675,715 | 555,939 |
| Geraldton..... | 22,500 | 18,025 | 224,600 | 363,180 | 623,015 | 1,112,500 |
| Gogama..... | 2,000 | 3,066 | 330,231 | 400,000 | 1,000,250 | 2,875,000 |
| Hespeler..... | 27,935 | 51,328 | 64,912 | 40,210 | 19,460 | 7,015 |
| Kapuskasing..... | 202,900 | 225,000 | 626,425 | 461,100 | 884,100 | 1,237,600 |
| Kemptville..... | 79,678 | 82,770 | 168,088 | 12,192 | 54,505 | 104,967 |
| Kenora..... | 48,800 | 143,650 | 252,200 | 243,600 | 383,760 | 453,800 |
| Lindsay..... | 320,124 | 496,755 | 929,760 | 709,165 | 500,000 | 694,397 |
| Maple..... | 377,152 | 594,734 | 311,817 | 205,713 | 510,813 | 468,273 |
| North Bay..... | 89,102 | 457,988 | 189,900 | 196,025 | 322,077 | 703,111 |
| Parry Sound..... | 1,077,180 | 1,052,994 | 1,188,600 | 672,984 | 918,200 | 908,050 |
| Pembroke..... | 1,029,100 | 1,045,500 | 1,239,300 | 598,965 | 991,948 | 771,835 |
| Port Arthur..... | 314,698 | 167,599 | 783,799 | 1,036,628 | 796,700 | 953,600 |
| Sault Ste. Marie..... | 997,472 | 874,000 | 1,474,375 | 854,840 | 1,747,117 | 2,760,000 |
| Sioux Lookout..... | 18,250 | 61,000 | 104,000 | 120,000 | 150,000 | 225,796 |
| Sudbury..... | 170,607 | 161,912 | 384,050 | 305,217 | 533,415 | 1,643,147 |
| Swastika..... | 271,000 | 471,500 | 803,050 | 747,105 | 991,110 | 1,402,721 |
| Tweed..... | 554,425 | 590,265 | 938,195 | 486,924 | 882,000 | 1,075,653 |
| White River..... | 20,110 | 23,625 | 73,450 | 209,625 | 455,000 | 1,130,000 |
| Toronto..... | ..... | ..... | ..... | 5,863 | 23,997 | ..... |
| Ranger School..... | ..... | 10,500 | 13,000 | 10,100 | 9,500 | 23,000 |
| Unclassified..... | ..... | ..... | ..... | ..... | ..... | 57,270 |
| TOTAL..... | 6,316,432 | 7,757,859 | 12,499,755 | 9,812,131 | 16,080,698 | 23,448,118 |

FOREST AREAS MANAGED BY THE MINISTER

| COUNTY | Date of Agreement | Acreage to March 31st, 1960 |
|----------------------------------|-------------------|-----------------------------|
| Brant..... | 15 Nov., 1952 | 50.00 |
| Bruce..... | 20 Jan., 1950 | 14,656.35 |
| Dufferin..... | 26 Nov., 1930 | 2,042.00 |
| Grey..... | 21 Dec., 1937 | 6,668.08 |
| Halton..... | 14 Mar., 1950 | 1,245.63 |
| Huron..... | 27 Nov. 1950 | 1,339.00 |
| Kent..... | 21 Dec., 1953 | 76.975 |
| Lanark..... | 5 July, 1940 | 2,100.00 |
| Leeds & Grenville..... | 24 April, 1940 | 5,485.50 |
| Lennox & Addington..... | 3 April, 1952 | 786.00 |
| Middlesex..... | 8 Mar., 1954 | 280.00 |
| Northumberland & Durham..... | 20 April, 1955 | 4,877.00 |
| Ontario..... | 9 July, 1930 | 1,800.00 |
| Oxford..... | 1 Sept., 1950 | 716.56 |
| Prescott & Russell..... | 22 Dec., 1948 | 23,213.83 |
| Renfrew..... | 26 Dec., 1951 | 221.00 |
| Simcoe..... | 25 Nov., 1949 | 15,013.69 |
| Stormont, Dundas & Glengarry... | 29 Sept., 1949 | 1,524.45 |
| Victoria..... | 10 Aug., 1928 | 7,044.00 |
| Waterloo..... | 17 April, 1950 | 710.48 |
| Wentworth..... | 27 Nov., 1952 | 889.30 |
| York..... | 25 Sept., 1952 | 3,772.08 |
| Sub-Total..... | | 94,511.925 |
| TOWNSHIP | | |
| Bonfield..... | 1 April, 1952 | 60.00 |
| Charlottenburgh..... | 1 April, 1955 | 175.00 |
| Cumberland..... | 29 May, 1952 | 808.44 |
| Galway and Cavendish..... | 1 Nov., 1952 | 100.00 |
| Marlborough..... | 21 Sept., 1953 | 200.00 |
| Torbolton..... | 28 Mar., 1953 | 430.80 |
| Sub-Total..... | | 1,774.24 |
| CONSERVATION AUTHORITY | | |
| Ausable River..... | 13 Dec., 1951 | 3,069.00 |
| Big Creek Region..... | 2 Dec., 1954 | 1,765.00 |
| Ganaraska River..... | 31 Jan., 1947 | 7,511.00 |
| Grand Valley..... | 18 Mar., 1952 | 4,023.69 |
| Metropolitan Toronto & Region... | 11 April, 1951 | 1,522.00 |
| Middle Maitland Valley..... | 1 April, 1955 | 466.00 |
| Moira River..... | 28 Nov., 1951 | 7,265.00 |
| Napanee Valley..... | 28 Oct., 1954 | 4,485.00 |
| Neebing Valley..... | 15 May, 1958 | 1,030.70 |
| North Grey Region..... | 25 June, 1958 | 1,996.00 |
| Otter Creek..... | 26 April, 1957 | 665.00 |
| Sauble Valley..... | 23 Sept., 1959 | 1,580.00 |
| Saugeen Valley..... | 15 Dec., 1952 | 8,398.00 |
| Upper Thames River..... | 11 April, 1951 | 3,249.56 |
| Sub-Total..... | | 47,025.95 |
| TOTAL..... | | 143,312.115 |

ONTARIO RELATED TO CANADA

| PROVINCE | AREA SQ. MILES | POPULATION 1959 | ENTERED CONFEDERATION |
|--------------------------|-------------------|--------------------|--------------------------------|
| Alberta..... | 255,285 | 1,243,000 | Sept. 1, 1905 |
| British Columbia..... | 366,255 | 1,570,000 | July 20, 1871 |
| Manitoba..... | 246,512 | 885,000 | July 15, 1870 |
| New Brunswick..... | 27,985 | 590,000 | July 1, 1867 |
| Newfoundland..... | 155,364 | 449,000 | Mar. 31, 1949 |
| Nova Scotia..... | 21,068 | 716,000 | July 1, 1867 |
| Ontario..... | 412,582 | 5,952,000 | July 1, 1867 |
| Prince Edward Island... | 2,184 | 102,000 | July 1, 1873 |
| Quebec..... | 594,860 | 4,999,000 | July 1, 1867 |
| Saskatchewan..... | 251,700 | 902,000 | Sept. 1, 1905 |
| Yukon..... | 207,076 | 13,000 | Organized June 13, 1898 |
| Northwest Territories... | 1,304,903 | 21,000 | Reconstituted Sept. 1, 1905 |

Source: Canadian Bureau of Statistics for Year ended June 1st, 1959.

A RECONSTRUCTION OF CANADA'S POPULATION RECORD

1851-1951*

| Year | Births | Deaths | Immigration | Emigration | Population at End of Decade | Ontario Population Since Confederation |
|---------------------|-----------|-----------|-------------|------------|-----------------------------------|---|
| 1759..... | ..... | ..... | ..... | ..... | (Total White) 60,000 | ..... |
| 1851..... | ..... | ..... | ..... | ..... | 2,436,000 | ..... |
| 1851-61..... | 1,281,000 | 611,000 | 209,000 | 86,000 | 3,230,000 | ..... |
| 1861-71..... | 1,369,000 | 718,000 | 187,000 | 377,000 | 3,689,000 | 1,620,000 |
| 1871-81..... | 1,477,000 | 754,000 | 353,000 | 439,000 | 4,325,000 | 1,926,000 |
| 1881-91..... | 1,538,000 | 824,000 | 903,000 | 1,110,000 | 4,833,000 | 2,114,000 |
| 1891-01..... | 1,546,000 | 828,000 | 326,000 | 505,000 | 5,371,000 | 2,182,000 |
| 1901-11..... | 1,931,000 | 811,000 | 1,782,000 | 1,067,000 | 7,207,000 | 2,527,000 |
| 1911-21..... | 2,338,000 | 1,018,000 | 1,592,000 | 1,330,000 | 8,788,000 | 2,933,000 |
| 1921-31..... | 2,414,000 | 1,053,000 | 1,195,000 | 967,000 | 10,377,000 | 3,431,000 |
| 1931-41..... | 2,291,000 | 1,070,000 | 150,000 | 241,000 | 11,507,000 | 3,787,000 |
| 1941-51..... | 3,205,000 | 1,216,000 | 548,000 | 380,000 | 14,009,000 | 4,597,000 |
| 1955..... | ..... | ..... | ..... | ..... | 15,575,000 | 5,100,000 |
| 1956..... | ..... | ..... | ..... | ..... | 16,081,000 | 5,405,000 |
| 1959 (Sept. 1)..... | ..... | ..... | ..... | ..... | 17,550,000 | 5,990,000 |

*Taken from "The Growth of Canadian Population" by Nathan Keyfitz.

HISTORICAL HIGHLIGHTS

Ontario Department of Lands and Forests

- 1763 Modified feudal system of land tenure existed when British occupied French Canada.
- 1819 Land Boards were given authority to settle people on 100-acre lots within their districts.
- 1827 Policy of non-alienation of forested Crown Lands established. First Commissioner of Crown Lands appointed. Surveyor-General of Woods and Forests in the Province of Upper Canada appointed.
- 1838 First Public Lands Act (King William IV, May 17th).
- 1840 Commissioner of Crown Lands for Canada appointed following Act of Union of that year.
- 1842 Upper and Lower Canada united in legislative union.
- 1852 Woods and Forests Branch of Crown Land Department established to replace host of local land agents who formerly administered the affairs of Woods and Forests.
- 1853 Land Act (repealed).
- 1854 Bill introduced to prevent careless setting of fire (not enacted).
- 1867 Confederation. First Commissioner for Crown Lands in Ontario appointed.
- 1868 Land Act of this year is basis of regulations made to present day.
- 1878 First forest-protection legislation passed—"An Act to Preserve the Forests from Destruction by Fire".
- 1886 First system of fire ranging instituted.
- 1887 Camera first used for survey work.
- 1890 Ontario Cullers Act enacted.

- 1893 Algonquin Park established.
- 1897 Fire Rangers placed on unlicensed land at public expense.
- 1900 Export of pulpwood and hemlock bark prohibited. Lake Temagami Forest Reserve created.
- 1904 Four Public Land Acts consolidated. Ontario Government initiates policy of giving attention to problems of forestry in Southern Ontario. Forestry Department created at Ontario Agricultural College in Guelph. Forest Nursery established at O.A.C.
- 1905 Report of the Commissioner of Crown Lands changed to Report of the Minister of Lands and Mines.
- 1906 Report of Minister of Lands and Mines changed to Report of Minister of Lands, Forests and Mines.
- 1907 Faculty of Forestry created at University of Toronto.
- 1908 St. Williams Forest Station established.
- 1909 Quetico Park established.
- 1910 Lumbermen assessed for full cost of maintaining
-17 fire rangers on limits.
- 1912 Forestry Branch created under direction of E. J. Zavitz.
- 1913 First Annual Report for Forestry Branch submitted by E. J. Zavitz as Director.
- 1917 Forest Fires Prevention Act provides basis of system whereby timber licensees and pulp concessionaires pay flat rate for fire protection. The Fire Permit system established to control slash burning. White Pine Blister Rust Conference held in Pittsburgh, Pa., U.S.A.

Position of Provincial Forester created under E. J. Zavitz. Fire ranging service transferred from Woods and Forests Branch to Provincial Forester.

1918 Province divided into four Inspectorates. Thirty-four Chief Ranger Districts established.

1920 Department of Lands and Forests created (Mines as separate Department). Timber Commission appointed to report on administration of timber resources. Rondeau Park transferred from Public Works.

First air patrols carried out as a measure of forest protection.

1921 Department presented first exhibit at Canadian National Exhibition; was praised by Governor General.

1922 Georgian Bay, Algonquin and Trent Forest Districts established under technical foresters within former Southern Inspectorate. Midhurst and Orono Forest Stations established. First County Forest was started in Simcoe; twelve Township Forests started.

1923 New Inspectorate established at Sault Ste. Marie. Central and Northern Inspectorates named Sudbury and Cochrane, respectively. Angus Seed Plant established.

1924 Provincial Air Service established. Provincial Land Tax and Pulpwood Conservation Acts enacted. Transplant nursery established at Kemptville.

1925 New Inspectorate established at Oba.

1926 E. J. Zavitz appointed Deputy Minister of Forestry. Radio used in Forestry Branch operations.

New Inspectorates of Hudson and North Bay established.

1927 New Inspectorate established at Kenora. Western (Port Arthur) under Forest Supervisor. Cochrane under Fire Inspector. Hudson (Sioux Lookout), Kenora, Oba, Sault Ste. Marie, Sudbury, North Bay, Georgian Bay (Parry Sound), Algonquin (Pembroke) and Trent (Tweed) administered by technical foresters as District Foresters.

- 1930 Western Inspectorate named Port Arthur, administered by District Forester. Oba headquarters moved to Kapuskasing.
- 1932 Twelfth Inspectorate established as Rainy River under District Forester at Fort Frances.
- 1933 Inspectorates changed to Districts. Chief Ranger Districts changed to Chief Ranger Divisions.
- 1934 Fire Ranging and Forest Ranging combined.
- 1935 All twelve Districts are administered by District Foresters. Hudson and Oba Districts named Sioux Lookout and Kapuskasing, respectively.
- 1936 Rainy River, Georgian Bay and Trent Districts are named Fort Frances, Parry Sound and Tweed, respectively.
- 1937 Public Lands Act provides for recreation, deals with sale of summer resort lands, etc. Pulpwood Conservation and Land Surveyors Acts amended.
- 1938 Crown Timber Act amended. Counties Reforestation Act amended.
- 1939 Department divided into eight Head Office Branches: Main Office, Lands, Forestry, Forests (Woods), Accounts, Surveys, Land Tax and Patents. Select committee appointed to report on all matters pertaining to administration of Lands and Forests. Organization of Resources Act given Royal assent.
- 1940 Abitibi Power and Paper Company Moratorium Act passed. Northern Development, Provincial Land Tax, Railway Fire Charge and Surveys Acts amended.
- 1941 Broad re-organization of Department of Lands and Forests. Establishment of ten Head Office Divisions: Accounts, Air Service, Forest Protection, Lands and Recreational Areas, Research, Surveys, Timber Management, Reforestation, Operation and Personnel, and Law (formerly a Branch).

Thirteen Districts divided into five Regions; named Southern, Central, Kapuskasing, Thunder Bay and Western in the following year. New District of Geraldton on temporary basis.

Southern Ontario divided into six Zones under Zone Foresters of whom five were appointed.

Land Agencies incorporated in Districts.

- 1943 Geraldton District established.
Forest Ranger School at Dorset established.
- 1946 Department of Game and Fisheries amalgamated with Lands and Forests as Division of Fish and Wildlife.

Two new Regions and seven new Districts created: South-Western with three new Districts: Lake Erie, Lake Huron and Lake Simcoe; South-Eastern with Quinte (formerly Tweed) and two new Districts: Rideau and Trent; South-Central with Algonquin and Parry Sound; Central with North Bay, Sudbury, Sault Ste. Marie and two new Districts: Chapleau and Gogama; Northern with Kapuskasing and Cochrane; Mid-Western with Port Arthur and Geraldton; and Western with Sioux Lookout, Kenora and Fort Frances.

Kemptville and Thunder Bay (Fort William) Forest Stations established. Forest Resources Inventory organizations created. Tree Conservation Act passed.

- 1947 Temiskaming District established (Northern Region).
- 1947 The Forest Management Act of 1947 provided for the submission of Management Plans by timber and pulpwood licensees for the operation of concession areas on a sustained yield basis.
- 1949 White River District established (Central Region), the 22nd District.
- 1951 Division of Law abolished. Legal affairs directed by Departmental Solicitor.
- 1952 The Crown Timber Act of April 9th, 1952, consolidated and replaced eight previous Acts to enable the practice of sound forest management. Effective on April 1st, 1953, it standardized and simplified timber licences, and defined and prohibited wasteful practices, setting penalties for the wastage of merchantable wood. It also covered scaling, mill licences, provincial forests and the appointment of the Advisory Committee to the Minister.

- 1953 Quinte, Trent, Algonquin and Temiskaming Districts named Tweed, Lindsay, Pembroke and Swastika Districts, respectively.
- 1954 Provincial Parks Act passed. Divisions of Parks, Lands and Law created. Division of Lands and Recreational Areas abolished.
- 1954 By March 31st, 1953, all districts had been divided into Management Units to be managed for sustained yield. Within the following fiscal year, the number increased from a total of 69 to 87 Crown Units and 36 Company Units, all held responsible for Management Plans. Within Crown Units, licensees holding 50 square miles or more were held responsible for Management Plans to be co-ordinated with Unit plans.
- 1956 Rideau District named Kemptville District.
- 1957 Department re-organized. Two Assistant Deputy Ministers and two Regional Directors appointed.

Divisions of Timber Management and Reforestation become Timber and Reforestation Branches in the Division of Timber.

Divisions of Forest Protection and Air Service become Forest Protection and Air Service Branches In the Division of Forest Protection.

Divisions of Surveys and Engineering and Lands become Surveys and Lands Branches in the Division of Surveys.

Division of Operation and Personnel becomes Division of Operations and a separate Personnel Section. Division of Law becomes a separate Law Section.

Total: Eight Divisions and two Sections.

- 1958 The Forest Resources Inventory, begun in 1946, was completed, and the first of the annual inventories was started to keep the Inventory up to date.
- 1959 Silviculture becomes the third Branch in Division of Timber. Divisions re-named Branches and Branches re-named Sections as of December 1st.
- 1960 Twenty-eight wilderness areas established under The Wilderness Act, March 26th, 1959.

MEMORANDUM

MEMORANDUM

Ontario Dept. of Lands & Forests
Forest
A

Government
Publications

STATISTICAL

REFERENCE

OF

LANDS AND FORESTS

ADMINISTRATION

1962

CA20N
LF 45
S76



DEPARTMENT OF LANDS AND FORESTS

HON. J. W. SPOONER
Minister

F. A. MACDOUGALL
Deputy Minister

A STATISTICAL REFERENCE OF LANDS & FORESTS ADMINISTRATION, 1962

Government
Publications

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FOREWORD

This statistical record is based mainly on information published in Annual Reports of the Minister of Lands and Forests and presented here in a more convenient form for ready reference.

The statistics on forest fires and Provincial Parks include preliminary reports on the 1961 season and are subject to correction in the Annual Report for the year ending March 31st, 1962.

PREMIERS OF ONTARIO SINCE CONFEDERATION

| | From | To |
|---------------------------------------|---------------|----------------|
| Hon. John Sandfield Macdonald..... | July 16, 1867 | Dec. 19, 1871 |
| Hon. E. Blake | Dec. 20, 1871 | Oct. 25, 1872 |
| Hon. Sir Oliver Mowat..... | Oct. 25, 1872 | July 9, 1896 |
| Hon. A.S. Hardy..... | July 25, 1896 | Oct. 17, 1899 |
| Hon. George W. Ross | Oct. 21, 1899 | Feb. 7, 1905 |
| Hon. Sir J.P. Whitney..... | Feb. 8, 1905 | Sept. 25, 1914 |
| Hon. Sir Wm. Howard Hearst | Oct. 2, 1914 | Nov. 14, 1919 |
| Hon. Ernest Chas. Drury .. | Nov. 14, 1919 | July 16, 1923 |
| Hon. G.H. Ferguson | July 16, 1923 | Dec. 15, 1930 |
| Hon. G.S. Henry..... | Dec. 15, 1930 | July 10, 1934 |
| Hon. Mitchell F. Hepburn.. | July 10, 1934 | Aug. 21, 1942 |
| Hon. G.D. Conant..... | Oct. 21, 1942 | May 18, 1943 |
| Hon. H.C. Nixon..... | May 18, 1943 | Aug. 17, 1943 |
| Hon. George A. Drew | Aug. 17, 1943 | Oct. 19, 1948 |
| Hon. Thomas L. Kennedy .. | Oct. 19, 1948 | May 4, 1949 |
| Hon. Leslie M. Frost | May 4, 1949 | Nov. 8, 1961 |
| Hon. John P. Robarts | Nov. 8, 1961 | ..... |

COMMISSIONERS AND MINISTERS SINCE 1827

| | From | To |
|---------------------------|---------------|----------------|
| Hon. Peter Robinson | July 17, 1827 | July 14, 1836 |
| Hon. R.B. Sullivan..... | July 14, 1836 | June 30, 1841 |
| Hon. John Davidson | July 23, 1841 | Oct. 12, 1842 |
| Hon. A.N. Morin | Oct. 13, 1842 | Dec. 11, 1843 |
| Hon. D.B. Papineau..... | Sept. 3, 1844 | Dec. 7, 1847 |
| Sir John A. MacDonald .. | Dec. 8, 1847 | Mar. 10, 1848 |
| Hon. J.H. Price | Mar. 11, 1848 | Oct. 27, 1851 |
| Hon. John Rolph | Oct. 28, 1851 | Aug. 17, 1853 |
| Hon. Louis V. Sicotte ... | Aug. 17, 1853 | Aug. 26, 1853 |
| Hon. A.N. Morin | Aug. 31, 1853 | Jan. 26, 1855 |
| Hon. Jos. Cauchon | Jan. 27, 1855 | April 30, 1857 |
| Sir E.P. Tache | June 16, 1857 | Nov. 24, 1857 |
| Hon. Louis V. Sicotte ... | Nov. 25, 1857 | Aug. 1, 1858 |
| Sir. A.A. Dorion | Aug. 2, 1858 | Aug. 6, 1858 |
| Hon. P.M. Vankoughnet . | Aug. 7, 1858 | Mar. 18, 1862 |
| Hon. George Sherwood... | Mar. 27, 1862 | May 23, 1862 |
| Hon. Wm. McDougall.... | May 24, 1862 | Mar. 29, 1864 |
| Sir Alex. Campbell..... | Mar. 30, 1864 | June 30, 1867 |
| Hon. Stephen Richards... | July 1, 1867 | July 25, 1871 |
| Sir Matthew C. Cameron. | July 25, 1871 | Dec. 21, 1871 |
| Sir Richard W. Scott | Dec. 21, 1871 | Nov. 30, 1873 |
| Hon. Timothy B. Pardee. | Dec. 4, 1873 | Jan. 19, 1889 |
| Hon. Arthur S. Hardy ... | Jan. 19, 1889 | July 21, 1896 |
| Sir John M. Gibson | July 21, 1896 | Oct. 21, 1899 |
| Hon. E.J. Davis | Oct. 21, 1899 | Nov. 22, 1904 |
| Hon. A.G. McKay..... | Nov. 22, 1904 | Feb. 8, 1905 |
| Hon. J.J. Foy | Feb. 8, 1905 | May 13, 1905 |
| Hon. F. Cochrane..... | May 13, 1905 | Oct. 11, 1911 |
| Sir William Hearst | Oct. 12, 1911 | Dec. 22, 1914 |
| Hon. G.H. Ferguson | Dec. 22, 1914 | Nov. 13, 1919 |
| Hon. B. Bowman | Nov. 14, 1919 | July 11, 1923 |
| Hon. Jas. Lyons | July 16, 1923 | Feb. 28, 1926 |
| Hon. G.H. Ferguson | Feb. 28, 1926 | Oct. 18, 1926 |
| Hon. Wm. Finlayson | Oct. 18, 1926 | July 10, 1934 |
| Hon. Peter Heenan | July 10, 1934 | May 27, 1941 |
| Hon. N.O. Hipel | May 27, 1941 | Aug. 17, 1943 |
| Hon. W.G. Thompson.... | Aug. 17, 1943 | Nov. 28, 1946 |
| Hon. H.R. Scott | Nov. 28, 1946 | June 3, 1952 |
| Hon. W.S. Gemmell..... | June 3, 1952 | July 7, 1954 |
| Hon. C.E. Mapledoram.. | July 7, 1954 | July 4, 1958 |
| Hon. J.W. Spooner..... | July 23, 1958 | ..... |

DEPUTY MINISTERS SINCE CONFEDERATION

| | |
|---------------------------|------|
| ANDREW RUSSELL | 1867 |
| THOMAS H. JOHNSON | 1869 |
| AUBREY WHITE..... | 1887 |
| ALBERT GRIGG | 1915 |
| WALTER CAIN | 1921 |
| FRANK A. MacDOUGALL | 1941 |

AUBREY WHITE was a practical man whose recommendations led to the first forest fire protection organization; that was in 1885. He had been appointed to the staff in 1878 as Crown Lands Agent for part of Muskoka at a salary of \$500 per annum. In 1882, he was appointed Clerk in the Woods and Forests Branch at \$1,700 per annum. Recognized as an outstanding authority on forest lands, he was appointed to his chief post on the death of Mr. Johnson in 1887.

ALBERT GRIGG was an ardent dry and a legislator before joining the staff. He was a Member of the Legislative Assembly, representing Bruce Mines where he had been mayor for many years. He was of pioneer stock.

WALTER CAIN taught school, laboured in saw mills and worked his way through the University of Toronto. He was well known in his day as a lacrosse player. He was appointed Clerk in the Lands Branch and succeeded Mr. Grigg when the latter resigned. Superannuated in 1941, he died in 1954.

FRANK MacDOUGALL started at the bottom. After excellent service in the Canadian Army, 1914-18, he worked on the temporary staff and took his degree as Forest Engineer at the University of Toronto. Appointed to the permanent staff on May 15th, 1923, he earned his pilot's licence and played an important part in the development of the forest protection organization. He was District Forester at Sault Ste. Marie and Superintendent of Algonquin Provincial Park before succeeding Mr. Cain in 1941. He headed the progress in organization in the following years.

NEW POLICIES

[illegible]

CORRECTIONS

ACCOUNTS BRANCH

The re-organization of the Department in 1941 included the establishment of the Division of Accounts under J.G. McMillen.

New accounting procedures became effective on April 1st, 1942. Since that date, the work of the unit has been further modernized to provide a complete internal control of Department revenue and expenditures.

R.R. MacBean was appointed Chief on January 1st, 1956.

Re-named Branch in 1959, Accounts is responsible for the accounting of the entire Department, the collection of revenue, the payment of expenditures, the administration of The Provincial Land Tax Act, the issuing of fish and wildlife licences (since 1947), the issuing of park permits, the compilation of payrolls, and the preparation of budgets and financial reports.

The following tables indicate the tremendous growth of the Department across the years and the resulting increase in accounting requirements.

ACCOUNTS BRANCH

Chief: R.R. MacBean

Assistant Chief: F.M. Baker

INTERNAL AUDIT

Internal Auditor: W.A. Brown
Internal Audit & Field Inspections

SYSTEMS & PROCEDURES

H.F. Damkevala

REVENUE ACCOUNTING

Cash Receiving, Accounts Receivable
Issue of Fish & Wildlife Licences,
Park Permits, Timber Accounts, Land Sales, Land Tax,
Rentals

EXPENDITURE & GENERAL ACCOUNTING

Payrolls, Accounts Payable
Accounting Machine Operations

LAND TAX ADMINISTRATION

Supervisor: A.C. Molloy
Assessments, Appeals, Addressograph

BUDGET ACCOUNTING

Supervisor: S.E. Neundorf
Budget Estimates & Forecasts,
Financial Reports

SPECIAL ACCOUNTING

Secretarial
Department Mail Services
Field Office Trainees

LANDS AND FORESTS REVENUE

in years ending March 31st

| Year | Ordinary | Capital | Total |
|--------|------------------|----------------|-----------------|
| 1931 | \$3,949,892.39 | \$ 157,492.06 | \$ 4,107,384.45 |
| 1932 | 2,932,706.88 | 115,333.63 | 3,048,040.51 |
| 1933 | 2,128,974.35 | 52,077.96 | 2,181,052.31 |
| 1934* | 2,327,784.94 | 54,752.73 | 2,382,537.67 |
| 1935 | 860,909.93 | 34,906.89 | 895,816.82 |
| 1936 | 3,476,648.75 | 88,939.50 | 3,565,588.25 |
| 1937 | 3,757,125.17 | 60,922.65 | 3,818,047.82 |
| 1938 | 4,692,016.08 | 54,921.78 | 4,746,937.86 |
| 1939 | 5,557,901.17 | 61,152.15 | 5,619,053.32 |
| 1940 | 4,629,579.91 | 76,545.53 | 4,706,125.44 |
| 1941 | 6,077,439.09 | 59,912.04 | 6,137,351.13 |
| 1942 | 6,287,161.43 | 37,339.68 | 6,324,501.11 |
| 1943 | 6,964,338.05 | 69,275.28 | 7,033,613.33 |
| 1944 | 6,567,183.32 | 130,524.24 | 6,697,707.56 |
| 1945 | 6,436,259.97 | 155,219.01 | 6,591,478.98 |
| 1946 | 8,321,551.84 | 193,061.14 | 8,514,612.98 |
| 1947** | 10,366,281.93 | 261,865.96 | 10,628,147.89 |
| 1948 | 10,456,251.70 | 215,151.77 | 10,671,403.47 |
| 1949 | 11,410,352.16 | 215,884.90 | 11,626,237.06 |
| 1950 | 10,921,652.37 | 677,603.32 | 11,599,255.69 |
| 1951 | 10,962,465.72 | 5,351,437.91 | 16,313,903.63 |
| 1952 | 14,602,165.18 | 3,222,682.07 | 17,824,847.25 |
| 1953 | 20,621,374.56 | 2,513,325.57-a | 23,134,700.13 |
| 1954 | 18,156,762.00 | 1,810,672.96 | 19,967,434.96 |
| 1955 | 19,146,974.96 | 178,810.09 | 19,325,785.05 |
| 1956 | 19,823,049.47 | 328,056.86 | 20,151,106.33 |
| 1957 | 20,881,873.91 | 367,501.40 | 21,249,375.31 |
| 1958 | 22,189,712.48 | 490,717.96 | 22,680,430.44 |
| 1959 | 19,512,132.50-bc | 725,375.25 | 20,237,507.75 |
| 1960 | 18,627,418.14-b | 807,860.60 | 19,435,278.74 |
| 1961 | 20,811,710.78 | 844,686.28 | 21,656,397.06 |

* Last fiscal year ending October 31st.

** Years 1931-47 include former Department of Game and Fisheries.

(a) Mississagi salvage project.

(b) Cut-back in woods operations.

(c) Water power revenue transferred to Treasury Department.

EXPENDITURES

in years ending March 31st

| Year | Ordinary | Capital | BALANCE |
|--------|-----------------|----------------|----------------|
| 1931 | \$ 2,756,123.46 | \$1,225,265.79 | \$ 125,995.20 |
| 1932 | 2,397,171.42 | 639,796.66 | 11,072.43 |
| 1933 | 1,974,028.61 | 400,817.37 | d-193,793.67 |
| 1934* | 2,297,076.46 | 388,422.87 | d-302,961.66 |
| 1935 | 632,683.96 | 97,656.24 | 165,476.62 |
| 1936 | 1,737,940.93 | 306,569.88 | 1,521,077.44 |
| 1937 | 2,336,151.40 | 443,491.73 | 1,038,404.69 |
| 1938 | 2,233,253.64 | 363,507.42 | 2,150,176.80 |
| 1939 | 2,790,491.27 | 407,079.83 | 2,421,482.22 |
| 1940 | 2,698,570.83 | 397,331.81 | 1,610,220.80 |
| 1941 | 2,637,270.83 | 330,059.75 | 3,170,020.55 |
| 1942 | 2,910,615.37 | 320,502.77 | 3,093,382.97 |
| 1943 | 4,072,688.46 | 3,029.42 | 2,957,895.45 |
| 1944 | 3,610,850.90 | 4,574.92 | 3,082,281.74 |
| 1945 | 4,210,648.47 | 341.95 | 2,380,489.46 |
| 1946 | 4,839,821.50 | 8,234.30 | 3,666,557.18 |
| 1947** | 7,043,267.18 | 116,523.23 | 3,468,357.48 |
| 1948 | 7,598,611.94 | ..... | 3,083,791.53 |
| 1949 | 11,400,801.97 | ..... | 234,435.09 |
| 1950 | 9,913,520.62 | 4,623,339.12 | d-2,934,604.05 |
| 1951 | 9,840,796.17 | 3,326,822.18 | 3,149,885.28 |
| 1952 | 10,681,717.01 | 2,196,671.93 | 4,949,208.31 |
| 1953 | 11,486,280.94 | 1,654,781.54-a | 10,006,812.65 |
| 1954 | 12,608,254.47 | 800,000.00 | 6,559,176.49 |
| 1955 | 12,716,508.33 | 178,810.09 | 6,430,466.63 |
| 1956 | 17,148,523.65 | 128,297.23 | 2,874,285.45 |
| 1957 | 16,037,678.39 | 187,935.36 | 5,023,761.56 |
| 1958 | 18,733,582.62 | 280,550.13 | 3,666,297.69 |
| 1959 | 20,259,829.63 | 4,167,468.40-e | d-4,189,790.28 |
| 1960 | 23,029,901.12-e | 991,022.60 | d-4,585,644.98 |
| 1961 | 23,042,059.98 | 234,988.32 | d-1,620,651.24 |

* Last fiscal year ending October 31st.

** Years 1931-47 include former Department of Game and Fisheries.

(a) Mississagi salvage project.

(d) Operating deficit.

(e) Park improvements.

TIMBER REVENUE

in years ending March 31st

| Year | Crown Dues | Ground Rent | Fire Tax | Total |
|--------|--------------|-------------|-------------|--------------|
| 1931 | \$ 2,649,017 | \$ 85,325 | \$ 308,843* | \$ 3,041,142 |
| 1932 | 1,759,711 | 73,801 | 270,515* | 2,105,508 |
| 1933 | 961,120 | 72,337 | 275,356* | 1,309,584 |
| 1934 | 1,111,095 | 95,733 | 296,242 | 1,815,463 |
| | | | 280,260* | |
| 1935** | 359,018 | 6,765 | 9,896* | 376,577 |
| 1936 | 2,070,655 | 76,730 | 280,285 | 2,570,246 |
| | | | 140,143* | |
| 1937 | 2,180,583 | 104,692 | 473,859* | 2,804,643 |
| 1938 | 2,928,505 | 88,163 | 416,145* | 3,437,564 |
| 1939 | 3,351,305 | 76,282 | 409,546 | 3,912,073 |
| 1940 | 2,300,308 | 88,036 | 428,271 | 2,863,762 |
| 1941 | 3,404,709 | 136,627 | 543,522 | 4,153,237 |
| 1942 | 3,695,167 | 79,370 | 276,577 | 4,122,577 |
| 1943 | ..... | ..... | ..... | 4,982,281 |
| 1944 | ..... | ..... | ..... | 4,561,733 |
| 1945 | 3,606,192 | 117,396 | 436,395 | 4,241,581 |
| 1946 | 4,947,915 | 115,299 | 419,323 | 5,554,781 |
| 1947 | 6,175,444 | 125,061 | 461,164 | 6,944,104 |
| 1948 | 6,093,410 | 126,875 | 456,444 | 6,855,031 |
| 1949 | 6,899,107 | 108,934 | 440,011 | 7,332,290 |
| 1950 | 6,146,884 | 112,139 | 485,313 | 6,789,235 |
| 1951 | 5,269,279 | 116,642 | 1,007,662 | 6,461,103 |
| 1952 | 8,324,529 | 114,197 | 1,010,554 | 9,500,865 |
| 1953 | 13,718,339 | 123,366 | 1,175,776 | 15,117,701 |
| 1954 | 10,225,155 | 79,832 | 1,052,635 | 11,396,460 |
| 1955 | 10,834,114 | 76,019 | 945,953 | 11,927,678 |
| 1956 | 11,667,003 | 76,234 | 971,517 | 12,706,730 |
| 1957 | 12,332,778 | 80,786 | 1,091,659 | 13,556,568 |
| 1958 | 13,333,503 | 81,098 | 1,041,837 | 14,431,008 |
| 1959 | 11,382,445 | 84,468 | 1,085,027 | 12,520,000 |
| 1960 | 10,381,270-b | 82,255 | 1,057,804 | 11,565,322 |
| 1961 | 11,983,089 | 80,488 | 1,035,464 | 13,092,417 |

* Applied as refund to expenditure on Forest Ranging.

** Five-month year.

(b) Cut-back in woods operations.

FISH AND WILDLIFE REVENUE

in years ending March 31st

| Year | Deer Licences | Moose Licences | Other Hunting Licences | Non-Res. Hunting Licences |
|--------|------------------|-------------------|------------------------------|---------------------------------|
| 1931 | \$ 75,017 | \$ 7,953 | \$ 51,238 | \$ 62,300 |
| 1932 | 64,961 | 6,243 | 46,764 | 46,420 |
| 1933 | 50,257 | 5,220 | 75,761 | 35,080 |
| 1934 | 47,264 | 3,163 | 59,214 | 25,800 |
| 1935* | 48,684 | 2,195 | 39,565 | 30,315 |
| 1936 | 56,544 | 2,728 | 69,636 | 53,080 |
| 1937 | 59,351 | 2,981 | 71,526 | 73,938 |
| 1938 | 72,320 | 3,179 | 77,781 | 92,370 |
| 1939 | 83,527 | 2,574 | 95,788 | 80,415 |
| 1940 | 81,882 | 2,734 | 94,882 | 84,590 |
| 1941 | 77,469 | 2,948 | 86,528 | 84,265 |
| 1942 | 94,924 | 3,278 | 97,769 | 124,365 |
| 1943 | 118,084 | 4,373 | 102,245 | 93,245 |
| 1944 | 115,396 | 4,697 | 75,153 | 89,450 |
| 1945 | 117,005 | 4,813 | 79,390 | 115,590 |
| 1946 | 166,635 | 7,051 | 110,253 | 218,855 |
| 1947** | 196,549 | 9,316 | 132,907 | 361,887 |
| 1948 | 205,827 | 11,878 | 146,601 | 453,790 |
| 1949 | 237,707 | 16,787 | 176,301 | 468,705 |
| 1950 | 242,208 | 352 | 194,228 | 364,922 |
| 1951 | 264,881 | ..... | 200,790 | 401,490 |
| 1952 | 293,945 | ..... | 222,998 | 340,255 |
| 1953 | 348,665 | 33,487 | 249,982 | 156,913 |
| 1954 | 355,911 | 52,464 | 251,535 | 447,366 |
| 1955 | 364,082 | 73,460 | 277,237 | 454,643 |
| 1956 | 405,201 | 90,040 | 295,320 | 513,088 |
| 1957 | 400,272 | 134,210 | 292,098 | 545,979 |
| 1958 | 415,920 | 173,650 | 317,375 | 563,004 |
| 1959 | 459,440 | 214,664 | 346,914 | 588,852 |
| 1960 | 468,833 | 245,033 | 352,197 | 698,968 |
| 1961 | 493,361 | 280,274 | 357,021 | 797,213 |

* Five-month year.

** Department of Game and Fisheries to 1947.

FISH AND WILDLIFE REVENUE

in years ending March 31st

| Year | Angling Licences | Commercial Fishing +Licences | Trapping +Licences | Total |
|--------|---------------------|------------------------------------|-----------------------|------------|
| 1931 | \$ 186,449 | \$115,553 | \$131,370 | \$ 715,463 |
| 1932 | 136,077 | 106,996 | 130,574 | 613,785 |
| 1933 | 121,981 | 100,741 | 117,054 | 571,657 |
| 1934 | 128,472 | 100,989 | 121,686 | 544,738 |
| 1935* | 7,339 | 50,346 | 48,378 | 258,348 |
| 1936 | 200,642 | 96,982 | 139,200 | 683,939 |
| 1937 | 272,691 | 111,450 | 109,202 | 785,466 |
| 1938 | 331,430 | 114,259 | 92,800 | 868,481 |
| 1939 | 339,450 | 102,088 | 100,330 | 914,475 |
| 1940 | 391,504 | 98,998 | 156,293 | 1,015,351 |
| 1941 | 384,675 | 97,980 | 137,395 | 984,801 |
| 1942 | 476,520 | 98,110 | 175,815 | 1,183,269 |
| 1943 | 306,264 | 84,507 | 161,635 | 962,351 |
| 1944 | 288,685 | 103,143 | 195,286 | 975,073 |
| 1945 | 412,073 | 99,819 | 247,562 | 1,193,034 |
| 1946 | 605,321 | 103,105 | 277,768 | 1,651,166 |
| 1947** | 1,000,866 | 109,473 | 274,139 | 2,248,201 |
| 1948 | 1,156,904 | 110,705 | 206,514 | 2,431,533 |
| 1949 | 1,350,501 | 116,597 | 328,171 | 2,827,774 |
| 1950 | 1,450,180 | 115,344 | 293,426 | 2,790,711 |
| 1951 | 1,637,775 | 121,688 | 321,698 | 3,082,091 |
| 1952 | 1,868,746 | 135,255 | 341,664 | 3,341,180 |
| 1953 | 1,949,892 | 140,116 | 398,604 | 3,409,915 |
| 1954 | 2,086,074 | 125,427 | 353,005 | 3,800,735 |
| 1955 | 2,204,668 | 140,064 | 343,220 | 3,989,256 |
| 1956 | 2,279,336 | 132,944 | 317,052 | 4,154,714 |
| 1957 | 2,294,761 | 145,447 | 272,952 | 4,205,827 |
| 1958 | 2,431,977 | 128,634 | 277,800 | 4,434,531 |
| 1959 | 2,337,425 | 116,861 | 268,276 | 4,439,824 |
| 1960 | 2,399,612 | 112,260 | 252,001 | 4,622,207 |
| 1961 | 2,435,611 | 110,168 | 279,484-f | 4,848,111 |

* Five-month year.

** Department of Game and Fisheries to 1947.

+ Includes Royalties.

(f) Royalty decrease.

PARKS REVENUE

in years ending March 31st

| Year | Vehicle Permits | Campsite Permits | Concessions Rentals | Total |
|------|--------------------|---------------------|------------------------|-----------|
| 1958 | \$148,488 | \$ 78,462 | \$..... | \$244,333 |
| 1959 | 207,751 | 124,137 | ..... | 359,069 |
| 1960 | 292,459 | 206,148 | 44,775 | 568,938 |
| 1961 | 382,887 | 331,481 | 60,868 | 800,444 |

CASH RECEIPTS

in years ending March 31st

| Year | Parks † Rentals | Crown Land † Rentals | Crown Land Sales | Nursery Tree Sales |
|--------|--------------------|-------------------------|---------------------|-----------------------|
| 1931 | \$20,169 | \$264,957 | \$167,411 | \$ 8,463 |
| 1932 | 19,393 | 275,230 | 140,016 | 6,755 |
| 1933 | 21,568 | 352,815 | 69,437 | ..... |
| 1934 | 23,367 | 352,550 | 72,825 | 7,047 |
| 1935* | 6,955 | 107,203 | 28,472 | 3,863 |
| 1936 | 24,117 | 440,490 | 65,128 | 8,568 |
| 1937-g | 25,365 | 48,255 | 80,381 | 9,743 |
| 1938 | 27,329 | 51,073 | 70,249 | 8,890 |
| 1939 | 26,337 | 60,053 | 75,212 | 4,254 |
| 1940 | 27,510 | 65,846 | 94,947 | 5,335 |
| 1941 | 27,379 | 67,200 | 53,821 | 5,643 |
| 1942 | 27,101 | 68,435 | 41,961 | 5,834 |
| 1943 | 18,975 | 61,911 | 69,162 | 8,453 |
| 1944 | 27,844 | 99,265 | 118,745 | 26,138 |
| 1945 | 23,699 | 84,215 | 155,219 | 10,559 |
| 1946 | 23,943 | 87,285 | 193,061 | 19,386 |
| 1947 | 25,814 | 95,446 | 261,866 | 25,373 |
| 1948 | 28,584 | 104,918 | 215,152 | 25,562 |
| 1949 | 38,292 | 113,554 | 215,885 | 1,685 |
| 1950 | 31,704 | 112,062 | 217,642 | 153 |
| 1951 | 32,303 | 120,468 | 188,444 | 60 |
| 1952 | 32,021 | 119,562 | 186,225 | ..... |
| 1953 | 33,108 | 140,248 | 197,368 | 128,220 |
| 1954 | 39,460 | 165,643 | 184,428 | 157,892 |
| 1955 | 42,822 | 178,749 | 212,985 | 216,247 |
| 1956 | 42,612 | 199,834 | 295,057 | 174,279 |
| 1957 | 64,800 | 235,571 | 309,314 | 160,244 |
| 1958 | 51,066 | 264,852 | 358,427 | 146,173 |
| 1959-g | 62,128 | 280,860 | 551,088 | 160,131 |
| 1960 | 43,190 | 298,706 | 607,538 | 160,362 |
| 1961 | 39,566 | 334,474 | 609,698 | 122,408 |

† Leases and Licences of Occupation.

* Five-month year.

(g) Water Power Revenue separated from Crown Land Rentals in 1937 and transferred to Treasury Department in 1959.

CASH RECEIPTS

in years ending March 31st

| Year | Provincial Land Tax | Map Sales Casual Fees | Flying Fees | Fire Costs Recovered |
|-------|------------------------|-----------------------------|----------------|-------------------------|
| 1931 | \$ 131,851 | \$ 3,298 | \$..... | \$ 9,988 |
| 1932 | 119,728 | 1,710 | ..... | 994 |
| 1933 | 119,135 | 1,812 | ..... | 2 |
| 1934 | 131,448 | 1,789 | ..... | 35,298 |
| 1935* | 107,302 | 567 | 13,182 | 7,724 |
| 1936 | 131,928 | 1,412 | 54,131 | 23,376 |
| 1937 | 178,622 | 1,973 | 19,213 | 23,295 |
| 1938 | 234,761 | 2,138 | 11,643 | 23,193 |
| 1939 | 129,178 | 2,387 | 6,680 | 28,889 |
| 1940 | 133,936 | 1,987 | 4,270 | 38,223 |
| 1941 | 169,609 | 2,247 | 5,794 | 38,507 |
| 1942 | 146,802 | 3,462 | 10,902 | 40,183 |
| 1943 | 146,014 | 3,192 | 6,946 | 28,670 |
| 1944 | 158,745 | 2,925 | 19,448 | 22,916 |
| 1945 | 175,342 | 4,913 | 12,417 | 26,850 |
| 1946 | 209,459 | 9,048 | 25,284 | 30,943 |
| 1947 | 204,475 | 11,071 | 15,258 | 46,402 |
| 1948 | 185,470 | 13,825 | 8,376 | 53,230 |
| 1949 | 217,521 | 17,225 | 6,373 | 48,331 |
| 1950 | 242,292 | 18,778 | 10,734 | 70,707 |
| 1951 | 322,661 | 19,092 | 13,407 | 38,975 |
| 1952 | 367,696 | 21,774 | 16,710 | 55,473 |
| 1953 | 393,236 | 22,723 | 11,720 | 30,140 |
| 1954 | 562,723 | 23,546 | 16,361 | 46,269 |
| 1955 | 644,961 | 30,660 | 16,724 | 46,487 |
| 1956 | 687,296 | 39,579 | 15,267 | 98,385 |
| 1957 | 776,789 | 59,634 | 12,793 | 96,065 |
| 1958 | 810,466 | 62,225 | 13,393 | 76,875 |
| 1959 | 1,114,638 | 84,024 | 20,826 | 103,224 |
| 1960 | 1,133,879 | 87,941 | 32,236 | 94,637 |
| 1961 | 1,162,185 | 84,097 | 22,657 | 62,166 |

* Five-month Year.

NEW POLICIES

[illegible]

CORRECTIONS

[illegible]

FISH AND WILDLIFE BRANCH

Game and fish resources were of considerable concern to the Commissioner of Crown Lands during the period of the union of Upper Canada with Lower Canada, but a general realization of their true importance was not attained until later years under the Department of Game and Fisheries. In 1889, the control and management of fisheries were placed under the Crown Lands Department. In 1890, the game laws were amended. In 1897, the fishing service was transferred to the Attorney General.

The Department of Game and Fisheries developed until 1946 when it was established as a Division of the Department of Lands and Forests; it was termed Branch in 1959.

Appointed Chief of the new Division, the late Dr. W.J.K. Harkness, a widely recognized authority, introduced many of the modern principles of fish and wildlife management.

Dr. C.H.D. Clarke was appointed Chief on April 1st, 1961.

FISH AND WILDLIFE BRANCH

Chief: C.H.D. CLARKE

WILDLIFE SECTION

Supervisor: D.N. Omand
Game Management
Fur Management
Field Services

FISHERIES SECTION

Supervisor: H.H. MacKay
Game Fisheries and Hatcheries
Commercial Fisheries

SPECIAL STAFF

Chief's Clerical Staff
Departmental Consultant
Accounts and Staff Records
Reports, Publications and Laboratory

*FUR RETURNS by Ontario Game Management Districts in years ending June 30th

| Year | No. of Trappers | Beaver | Fisher | Arc. Col. Fox | Fox | ** Lynx | Marten | Mink | Muskrat | Otter | Raccoon | Skunk | Squirrel | Weasel | Wolf | *** Wlv. |
|------|-----------------|---------|--------|---------------|-------|---------|--------|--------|---------|-------|---------|-------|----------|--------|------|----------|
| 1949 | 4,326 | 46,208 | 1,027 | 39 | 2,783 | 409 | 120 | 19,867 | 172,219 | 3,276 | 129 | 77 | 209 | 20,544 | 178 | 24 |
| 1950 | 4,917 | 62,717 | 310 | 14 | 1,727 | 389 | 48 | 30,750 | 146,145 | 3,488 | 66 | 169 | .... | 44,463 | 399 | 13 |
| 1951 | 11,379 | 81,790 | 662 | 139 | 3,341 | 415 | 1,045 | 31,323 | 408,662 | 6,137 | 6,667 | 4,538 | 4,121 | 32,002 | 650 | 8 |
| 1952 | 11,641 | 99,391 | 2,081 | 198 | 4,871 | 251 | 1,529 | 27,704 | 567,565 | 5,259 | 10,905 | 5,747 | 5,598 | 13,129 | 538 | 14 |
| 1953 | 12,332 | 109,260 | 2,414 | 54 | 5,784 | 1,216 | 2,210 | 28,904 | 671,642 | 6,410 | 9,874 | 5,749 | 16,077 | 23,727 | 613 | 255 |
| 1954 | 11,914 | 91,484 | 2,335 | 685 | 4,604 | 1,464 | 2,767 | 30,264 | 607,645 | 6,203 | 10,669 | 2,506 | 14,256 | 23,816 | 563 | 25 |
| 1955 | 12,310 | 115,439 | 2,915 | 98 | 2,879 | 1,547 | 3,587 | 29,520 | 640,865 | 6,224 | 99,641 | 1,879 | 16,133 | 28,813 | 501 | ... |
| 1956 | 11,001 | 98,084 | 3,046 | 163 | 2,619 | 891 | 2,909 | 27,510 | 400,111 | 6,401 | 13,135 | 819 | 13,861 | 20,190 | 445 | ... |
| 1957 | 9,529 | 93,065 | 1,822 | 60 | 1,253 | 657 | 4,092 | 30,069 | 443,153 | 5,325 | 10,551 | 1,105 | 19,440 | 17,981 | 560 | ... |
| 1958 | 8,604 | 126,986 | 2,737 | 128 | 2,031 | 1,114 | 5,707 | 41,837 | 446,578 | 7,293 | 9,596 | 2,019 | 14,778 | 16,410 | 300 | ... |
| 1959 | 7,826 | 101,984 | 2,091 | 302 | 1,858 | 1,891 | 4,091 | 37,186 | 337,936 | 5,754 | 4,200 | 572 | 11,330 | 11,626 | 495 | ... |
| 1960 | 8,657 | 110,615 | 3,125 | 85 | 1,188 | 4,038 | 6,361 | 47,445 | 320,287 | 6,040 | 10,580 | 389 | 9,255 | 12,472 | 296 | ... |

* Management began in 1947.

** Lynx includes Bob Cat.

*** Wolverine includes Bear.

VALUE OF PELTS, Exported or Tanned in years ending June 30th

| Year | NUMBER OF PELTS | | | VALUE OF PELTS | | |
|------|-----------------|---------------|----------------|----------------|-------------|-------------|
| | Wild | Ranch Mink | Total Ranch | Wild | Ranch | Total |
| 1947 | 876,204 | 73,770 | 101,430 | \$4,966,209 | \$2,262,888 | \$7,229,098 |
| 1948 | 1,001,249 | 125,829 | 155,468 | 4,040,847 | 2,346,039 | 6,386,885 |
| 1949 | 1,046,628 | 143,358 | 164,917 | 5,187,075 | 1,647,044 | 6,834,120 |
| 1950 | 931,890 | 143,513 | 158,912 | 4,248,297 | 2,165,233 | 6,413,530 |
| 1951 | 811,579 | 142,570 | 152,208 | 4,582,901 | 3,101,559 | 7,684,460 |
| 1952 | 959,431 | 144,436 | 152,284 | 3,656,919 | 2,355,226 | 6,012,145 |
| 1953 | 1,098,286 | 152,760 | 156,903 | 3,868,812 | 2,171,784 | 6,040,596 |
| 1954 | 1,016,672 | 131,192 | 132,759 | 2,682,762 | 1,905,518 | 4,588,280 |
| 1955 | 1,107,530 | 158,662 | 159,765 | 4,284,902 | 2,942,968 | 7,227,870 |
| 1956 | 786,608 | 171,723 | 172,985 | 2,989,521 | 4,129,555 | 7,119,077 |
| 1957 | 788,666 | 247,998 | 248,317 | 2,575,809 | 2,978,209 | 5,554,018 |
| 1958 | 791,165 | 237,172 | 237,930 | 2,713,427 | 3,943,119 | 6,656,546 |
| 1959 | 680,189 | 262,788 | 262,913 | 2,445,203 | 3,969,224 | 6,414,426 |
| 1960 | 641,093 | 286,845 | 287,265 | 2,831,174 | 4,450,571 | 7,281,744 |
| 1961 | 680,878 | 348,192 | 348,602 | 2,469,875 | 4,441,088 | 6,910,963 |

REVENUE FROM PELTS, Exported or Tanned in years ending June 30th

| Year | NUMBER OF PELTS | | | ROYALTY ON WILD PELTS | | |
|------|------------------|-----------------|---------|-----------------------|-----------------|-----------|
| | Export Beaver | Total Export | Tanners | Export Beaver | Total Export | Tanners |
| 1947 | 45,847 | 762,998 | 214,636 | \$ 91,694 | \$188,560 | \$ 23,229 |
| 1948 | 20,083 | 862,700 | 294,017 | 40,166 | ..... | ..... |
| 1949 | 74,253 | 940,378 | 271,167 | 148,506 | 238,073 | 27,156 |
| 1950 | 65,600 | 909,079 | 181,723 | 131,200 | 219,949 | 18,075 |
| 1951 | 81,845 | 814,447 | 149,340 | 163,690 | 241,938 | 15,493 |
| 1952 | 105,503 | 922,868 | 188,847 | 211,006 | 300,321 | 19,556 |
| 1953 | 122,287 | 998,713 | 256,476 | 185,103 | 300,799 | 26,314 |
| 1954 | 105,071 | 908,990 | 240,441 | 157,635 | 268,823 | 25,430 |
| 1955 | 134,729 | 941,348 | 325,947 | 135,919 | 242,490 | 34,795 |
| 1956 | 112,663 | 769,027 | 190,566 | 112,663 | 196,956 | 20,767 |
| 1957 | 111,278 | 788,370 | 248,613 | 111,278 | 194,340 | 27,596 |
| 1958 | 140,930 | 879,316 | 149,779 | 140,930 | 224,921 | 9,407 |
| 1959 | 119,684 | 830,538 | 112,564 | 119,684 | 195,586 | 8,353 |
| 1960 | 109,757 | 821,984 | 106,374 | 109,757 | 188,562 | 6,950 |
| 1961 | 130,167 | 918,212 | 111,268 | 130,167 | 224,237 | 9,017 |

BOUNTIES PAID in years ending March 31st

| Year | BEAR BOUNTY | | | WOLF BOUNTY | | | |
|------|----------------------------------|------------------------------|-------------------------|-------------|-------|------|-------------------------|
| | 12 mts. and over \$10 each | Under 12 mts. \$5 each | Total Amount Paid | Timber | Brush | Pups | Total Amount Paid |
| 1947 | 959 | 73 | \$ 9,735 | 1,440 | 1,182 | 42 | \$59,275 |
| 1948 | 509 | 17 | 5,095 | 1,515 | 961 | 74 | 54,923 |
| 1949 | 592 | 67 | 6,035 | 1,581 | 1,062 | 84 | 57,977 |
| 1950 | 803 | 122 | 8,530 | 1,613 | 890 | 41 | 56,927 |
| 1951 | 453 | 47 | 4,645 | 1,405 | 651 | 44 | 46,457 |
| 1952 | 408 | 29 | 4,180 | 1,198 | 634 | 63 | 41,803 |
| 1953 | 662 | 57 | 6,805 | 1,313 | 739 | 68 | 46,550 |
| 1954 | 947 | 145 | 10,000 | 1,101 | 720 | 70 | 41,853 |
| 1955 | 1,126 | 99 | 11,590 | 1,075 | 620 | 41 | 38,703 |
| 1956 | 614 | 50 | 6,310 | 1,088 | 559 | 28 | 37,550 |
| 1957 | 611 | 50 | 6,225 | 1,195 | 486 | 71 | 38,950 |
| 1958 | 1,568 | 300 | 16,930 | 1,047 | 574 | 34 | 37,255 |
| 1959 | 1,084 | 116 | 11,145 | 1,169 | 606 | 49 | 41,589 |
| 1960 | 697 | 139 | 7,590 | 939 | 528 | 42 | 33,619 |
| 1961 | 401 | 46 | 4,150 | 1,320 | 761 | 57 | 48,766 |

BREEDING STOCK ON LICENSED FUR FARMS at January 1st

| | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 |
|----------------------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| Fox | | | | | | | | | | | |
| Blue..... | 256 | 200 | 75 | 56 | 68 | 70 | 81 | 56 | 57 | 83 | 94 |
| Cross..... | 10 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | ..... | ..... | ..... |
| Pearl Platinum..... | 476 | 449 | 349 | 294 | 230 | 251 | 155 | 119 | ..... | ..... | ..... |
| Platinum..... | 903 | 559 | 267 | 159 | 136 | 136 | 108 | 105 | ..... | ..... | ..... |
| Red..... | 30 | 11 | 6 | 1 | 3 | 4 | 6 | 7 | 186 | 232 | 280 |
| Standard Silver..... | 3,391 | 2,813 | 1,567 | 760 | 583 | 456 | 239 | 166 | 12 | 13 | 14 |
| White Marked..... | 385 | 226 | 111 | 50 | 26 | 16 | 9 | 6 | 150 | 178 | 292 |
| | | | | | | | | | | | |
| Total Fox..... | 5,451 | 4,260 | 2,375 | 1,321 | 1,047 | 934 | 599 | 460 | 405 | 506 | 680 |
| Mink | | | | | | | | | | | |
| Mink..... | 67,943 | 73,034 | 73,535 | 70,160 | 75,340 | 85,332 | 101,721 | 109,936 | 119,299 | 130,294 | 142,600 |
| Beaver..... | 56 | 22 | 16 | 15 | 26 | 16 | 1 | 1 | 1 | 1 | 1 |
| Fisher..... | 23 | 21 | 13 | 10 | 9 | 11 | 12 | 12 | 8 | 2 | 2 |
| Lynx..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Marten..... | 43 | 35 | 36 | 54 | 62 | 70 | 81 | 85 | ..... | ..... | ..... |
| Muskrat..... | 125 | 99 | 192 | 264 | 707 | 82 | 62 | 54 | 76 | 89 | 96 |
| Raccoon..... | 76 | 46 | 47 | 68 | 57 | 47 | 43 | 43 | 47 | ..... | ..... |
| Skunk..... | 4 | 6 | 2 | ..... | ..... | ..... | 5 | 5 | 33 | 24 | 22 |
| | | | | | | | | | 3 | 3 | 3 |
| NO. OF FARMS..... | 1,078 | 914 | 769 | 631 | 549 | 529 | 542 | 520 | 513 | 496 | 500 |

Government Publications

ACTIVITIES OF PHEASANT HUNTING PRESERVES, 1960-61

| District | Number of Licensed Preserves | Total Purchases | Number of Birds Released | Total of Birds Removed by Hunters | Total Number of Hunters on Preserves | Stock on Hand as of March 31, 1961 |
|------------------|------------------------------------|--------------------|--------------------------------|---|--|--|
| Aylmer..... | 13 | 2,859 | 6,367 | 3,551 | 700 | 3,019 |
| Hespeler..... | 6 | 8,871 | 8,703 | 4,636 | 394 | 1,054 |
| Maple..... | 4 | 1,481 | 1,717 | 1,017 | 304 | 103 |
| Lindsay..... | 3 | 698 | 960 | 571 | 119 | 306 |
| Parry Sound..... | 1 | Nil | 501 | 451 | 106 | 145 |
| Sudbury..... | 2 | 72 | 72 | 34 | 13 | 38 |
| Tweed..... | 1 | Nil | 3,576 | 1,976 | 116 | 700 |
| Kemptville..... | 1 | 161 | 171 | 80 | 25 | Nil |
| TOTAL..... | 31 | 14,142 | 22,067 | 12,316 | 1,777 | 5,365 |

ACTIVITIES OF COMMERCIAL PHEASANT FARMS, 1960-61

| Administrative District | PURCHASES | | | | SALES | | | | Stock on Hand as of March 31, 1961 |
|-------------------------|-----------------|------|-------------------|--------|---------------|-------|-------------------|------------------|------------------------------------|
| | Number of Farms | Eggs | Chicks and Poults | Adults | Dressed Birds | Eggs | Chicks and Poults | Live Adult Birds | |
| Aylmer..... | 46 | 110 | 4,169 | 435 | 3,553 | 5,243 | 15,815 | 4,405 | 3,627 |
| Hespeler..... | 52 | 1146 | 8,317 | 364 | 6,648 | 885 | 657 | 3,038 | 2,187 |
| Kemptville..... | 5 | Nil | 200 | 12 | 15 | Nil | Nil | 171 | 15 |
| Maple..... | 30 | 2750 | 995 | 235 | 3,087 | 1,470 | 392 | 722 | 966 |
| Lindsay..... | 12 | 1000 | 575 | 175 | 1,091 | 1,036 | 700 | 837 | 368 |
| Parry Sound..... | 1 | Nil | Nil | 106 | 12 | 95 | 1,894 | 514 | 145 |
| Sault Ste. Marie..... | 1 | Nil | 100 | 10 | Nil | Nil | Nil | Nil | 90 |
| Sudbury..... | 3 | Nil | 100 | Nil | 871 | Nil | 100 | 375 | 195 |
| Tweed..... | 5 | Nil | Nil | 10 | 1,540 | Nil | 48 | 27 | 764 |
| TOTAL..... | 155 | 5006 | 14,456 | 1,347 | 16,817 | 8,729 | 19,606 | 10,089 | 8,357 |

HUNTING LICENCES SOLD

| Year | DEER | | | MOOSE | | | SMALL GAME | | | BEAR & WOLF |
|------|----------|----------|---------|----------|----------|--------|------------|----------|-------|-------------|
| | Resident | Non-Res. | | Resident | Non-Res. | | Resident | Non-Res. | | Non-Res. |
| | | Total | | | Total | | | Total | | |
| 1944 | 38,654 | 2,385 | 41,039 | 875 | 653 | 1,528 | 92,847 | 1,949 | 181 | |
| 1945 | 53,930 | 4,430 | 58,360 | 1,282. | 1,426 | 2,708 | 131,468 | 3,281 | 314 | |
| 1946 | 62,913 | 7,877 | 70,790 | 1,694 | 1,230 | 2,924 | 155,309 | 4,666 | 783 | |
| 1947 | 67,299 | 11,193 | 78,492 | 2,270 | 1,516 | 3,786 | 171,098 | 3,620 | 548 | |
| 1948 | 73,700 | 11,300 | 85,000 | 3,000 | 1,700 | 4,700 | 186,060 | 3,200 | 1,600 | |
| 1949 | 76,274 | 12,050 | 88,324 | * | * | * | 205,706 | 3,300 | 1,176 | |
| 1950 | 84,380 | 12,440 | 96,820 | * | * | * | 213,594 | 5,620 | 1,127 | |
| 1951 | 89,290 | 10,400 | 99,690 | 1,400 | * | 1,400 | 240,040 | 4,960 | 1,120 | |
| 1952 | 96,790 | ** 870 | 97,660 | 3,620 | * | 3,620 | 268,444 | 5,400 | 3,060 | |
| 1953 | 92,785 | 8,300 | 101,085 | 5,196 | 637 | 5,833 | 256,341 | 3,810 | 2,490 | |
| 1954 | 92,800 | 10,400 | 103,200 | 7,500 | 730 | 8,230 | 284,000 | 5,300 | 1,520 | |
| 1955 | 105,150 | 8,050 | 113,200 | 9,000 | 990 | 9,990 | 318,000 | 6,010 | 1,750 | |
| 1956 | 98,079 | 7,426 | 105,505 | 13,441 | 1,521 | 14,962 | 316,778 | 5,905 | 2,031 | |
| 1957 | 106,620 | 6,743 | 113,363 | 17,367 | 1,890 | 19,257 | 341,838 | 6,092 | 2,703 | |
| 1958 | 109,322 | 6,044 | 115,366 | 22,688 | 2,362 | 25,050 | 377,589 | 5,503 | 4,803 | |
| 1959 | 102,960 | 5,988 | 109,948 | 26,349 | 3,431 | 29,780 | 378,666 | 6,243 | 4,089 | |
| 1960 | 114,400 | 6,004 | 120,404 | 31,948 | 4,212 | 36,160 | 383,205 | 7,286 | 3,828 | |

* Closed Season.

** U. S. A. ban on importation of cloven-hoofed animals.

TOTAL LICENCES SOLD

| Year | ANGLING | | HUNTING | | |
|------|----------|----------|----------|----------|---------|
| | Resident | Non-Res. | Resident | Non-Res. | Total |
| 1944 | ..... | 89,291 | 132,376 | 5,168 | 137,544 |
| 1945 | ..... | 126,367 | 186,680 | 9,451 | 196,131 |
| 1946 | ..... | 171,400 | 219,916 | 14,556 | 234,472 |
| 1947 | ..... | 196,785 | 240,667 | 16,877 | 257,544 |
| 1948 | 3,730 | 224,898 | 262,760 | 17,800 | 280,560 |
| 1949 | 4,434 | 240,278 | 281,980 | 16,526 | 298,506 |
| 1950 | 5,110 | 237,191 | 297,974 | 19,187 | 317,161 |
| 1951 | 4,785 | 272,180 | 330,730 | 16,480 | 347,210 |
| 1952 | 4,695 | 287,997 | 368,854 | 9,330 | 378,184 |
| 1953 | 4,712 | 308,500 | 354,322 | 15,237 | 369,559 |
| 1954 | 6,400 | 366,150 | 384,300 | 17,950 | 402,250 |
| 1955 | 6,450 | 377,220 | 432,150 | 16,800 | 448,950 |
| 1956 | 12,624 | 376,000 | 428,298 | 16,883 | 445,181 |
| 1957 | 15,806 | 397,435 | 465,825 | 17,428 | 483,253 |
| 1958 | 18,678 | 380,036 | 509,599 | 18,712 | 528,311 |
| 1959 | 22,005 | 389,811 | 507,975 | 19,751 | 527,726 |
| 1960 | 10,516 | 406,239 | 529,553 | 21,330 | 550,883 |

PROSECUTIONS in years ending March 31st

| Year | SEIZURES | | Public Sale of Seized Equipment | Total Sales and Redemptions | Convic- tions | Cases Dis- missed | Cases With- drawn | Total | Collected Costs | Collected Fines |
|------|----------|-------|---------------------------------------|-----------------------------------|------------------|-------------------------|-------------------------|-------|--------------------|--------------------|
| | Firearms | Total | | | | | | | | |
| 1947 | 976 | 1,844 | ..... | \$37,202 | 2,040 | 85 | 4 | 2,129 | \$1,216 | \$44,267 |
| 1948 | ..... | ..... | \$ 4,700 | ..... | 2,880 | 114 | 44 | 3,038 | ..... | ..... |
| 1949 | 1,292 | 2,015 | 15,514 | 16,742 | 2,302 | 106 | 193 | 2,601 | 1,453 | 46,947 |
| 1950 | 1,434 | 2,697 | 7,053 | 17,222 | 2,704 | 102 | 140 | 2,946 | 1,746 | 45,808 |
| 1951 | 1,413 | 2,619 | 9,751 | 21,534 | 2,728 | 116 | 86 | 2,930 | 1,507 | 47,622 |
| 1952 | 1,488 | 2,763 | 9,422 | 23,847 | 2,862 | 108 | 70 | 3,040 | 1,476 | 48,335 |
| 1953 | 1,438 | 2,872 | ..... | 23,633 | 2,880 | 114 | 44 | 3,038 | 1,387 | 50,460 |
| 1954 | 1,727 | 2,975 | ..... | 25,157 | 3,052 | 85 | 76 | 3,213 | 1,442 | 47,715 |
| 1955 | 1,498 | 3,005 | 9,239 | 27,009 | 3,102 | 102 | 80 | 3,284 | 1,274 | 52,088 |
| 1956 | 1,602 | 2,929 | 7,414 | 23,213 | 2,967 | 87 | 125 | 3,179 | 1,281 | 44,444 |
| 1957 | 1,510 | 2,751 | 9,389 | 24,596 | 2,620 | 93 | 50 | 2,965 | 1,204 | 43,895 |
| 1958 | 1,678 | 2,996 | 9,392 | 24,320 | 3,040 | 76 | 38 | 3,154 | 1,602 | 47,443 |
| 1959 | 1,495 | 2,472 | 10,397 | 25,018 | 2,460 | 74 | 55 | 2,589 | 1,183 | 42,876 |
| 1960 | 1,324 | 2,290 | 9,236 | 20,612 | 2,198 | 80 | 40 | 2,318 | 1,186 | 45,136 |
| 1961 | ..... | 2,424 | 9,698 | 19,217 | 2,160 | 126 | ... | 2,286 | 1,064 | 48,557 |

PRODUCTION OF PROVINCIAL FISH HATCHERIES IN 1960

| HATCHERY | Speckled Trout | Lake Trout | Kamloops Trout | Brown Trout | Largemouth Bass | Smallmouth Bass | Maskinonge | Whitefish | Pickeral | Splake |
|---------------------------|----------------|------------|----------------|-------------|-----------------|-----------------|-------------------------|-------------|-------------|---------|
| Chatsworth TRS..... | 102,500Y | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Codrington TRS..... | 14,450Y | 58,300Y | 16,350Y | 1,700Fg | ..... | ..... | ..... | ..... | ..... | ..... |
| Deer Lake..... | 36,100Y | ..... | ..... | ..... | ..... | ..... | 3,390,000F, 51,405Fg | ..... | ..... | ..... |
| Dorion TRS..... | 331,050Fg | 265,614Y | 400Y | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | 16,630Y | 100A | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | 2,350T | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Hill Lake TRS..... | 15,200Fg | 37,875Fg | 26,120Fg | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | 187,780Y | 30,200Y | 6A | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | 49,031T | 15A | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Kenora..... | 15,000Fg | 46,800Fg | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | 101,000Fg | ..... | ..... | ..... | ..... | ..... | ..... | 12,000,000E | 33,000,000E | ..... |
| Kingsville..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Little Current..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Midhurst Ponds..... | 40,250Y | ..... | ..... | ..... | ..... | ..... | ..... | 7,750,000F | 3,600,000F | ..... |
| Mount Pleasant..... | 75Fg | ..... | ..... | ..... | ..... | ..... | ..... | 53,270,000F | 20,790,000E | ..... |
| | 300A | ..... | ..... | 32,100Y | 230,550F | 10,000F | ..... | ..... | ..... | ..... |
| | 24,300Y | ..... | 2,000Fg | 44A | 20A | 38,500Fg | ..... | ..... | ..... | ..... |
| Normandale..... | ..... | ..... | 8,240Y | 35A | ..... | ..... | ..... | ..... | ..... | ..... |
| | 122,250Y | 17,000Y | 4,400Y | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| North Bay TRS..... | 24,300T | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Pembroke TRS..... | 178,000Y | 103,000Fg | 2,000Y | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Port Arthur..... | ..... | 55,250Fg | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Sandfield..... | 225,400Y | 13,851Y | ..... | ..... | ..... | 146,000F | ..... | ..... | ..... | ..... |
|  | ..... | ..... | ..... | ..... | ..... | 51,000Fg | ..... | ..... | ..... | 13,151Y |
| Sault Ste. Marie TRS..... | 49,000E | 145,300Y | 300Y | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | 415,000Fg | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | 278,290Y | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| | 500A | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Skeleton Lake..... | 141,000Y | 45,000Y | 25,500Y | ..... | ..... | 52,700Fg | ..... | ..... | ..... | ..... |
| Westport Ponds..... | 5,000Y | 11,300Y | 3,900Y | ..... | 29,500Fg | 35,400Fg | ..... | ..... | ..... | ..... |
| White Lake Ponds..... | 246,010Y | 66,500Y | 18,000Y | 53,280Y | ..... | ..... | ..... | 1,973,000F | ..... | ..... |
| Warton Ponds..... | ..... | 146,200Fg | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |

Other species: 250 Kokanee Salmon yearlings at Hill Lake; 345 Alpine Charr yearlings at Sault Ste. Marie; 50,000 Herring fry at Kingsville; 2,000 Aurora Trout fingerlings at Hill Lake; 660 Ouananiche adults at Dorion.

TRS - Trout Rearing Station; E - Egg; F - Fry; Fg - Fingerling; Y - Yearling; T - 2-year old; A - Adult.

DISTRIBUTION OF HATCHERY FISH in 000's

| SPECIES | *1950 | *1951 | *1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 |
|---------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BLACK BASS, Large mouth. | | | | | | | | | | | |
| Fry..... | 550 | 826 | 544 | 330 | 720 | 282 | 360 | 190 | 46 | 45 | 231 |
| Fingerling..... | 53 | 145 | 97 | 328 | 279 | 343 | 122 | 129 | 63 | 46 | 30 |
| Yearling and Adult..... | .... | 1 | 1 | 1 | .... | 4 | 1 | 3 | 1 | .... | .... |
| BLACK BASS, Small mouth. | | | | | | | | | | | |
| Fry..... | 1,506 | 935 | 358 | 720 | 820 | 209 | 803 | 468 | 130 | 89 | 156 |
| Fingerling..... | 346 | 402 | 385 | 623 | 452 | 529 | 369 | 132 | 133 | 227 | 178 |
| Yearling and Adult..... | 9 | 14 | 15 | 18 | 14 | 25 | 19 | 1 | 5 | .... | 1 |
| BLUEGILLS | | | | | | | | | | | |
| Fingerling..... | .... | .... | .... | .... | .... | 2 | .... | .... | .... | .... | .... |
| Adult..... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| CHARR, French Alpine. | | | | | | | | | | | |
| Fingerling..... | .... | .... | .... | .... | .... | .... | 21 | .... | .... | .... | .... |
| Yearling..... | .... | .... | .... | .... | 1 | .... | .... | .... | 2 | .... | .... |
| Adult..... | .... | .... | .... | .... | .... | .... | .... | .... | 5 | .... | .... |
| CHARR, Pennsylvania. | | | | | | | | | | | |
| Fingerling..... | .... | .... | .... | .... | .... | 2 | .... | .... | .... | .... | .... |
| GRAYLING, Arctic. | | | | | | | | | | | |
| Yearling..... | .... | .... | .... | .... | .... | .... | .... | .... | .... | 26 | .... |
| HERRING | | | | | | | | | | | |
| Eggs..... | .... | .... | .... | .... | 900 | 398 | .... | 1,840 | .... | 1,068 | .... |
| Fry..... | 5,100 | 8,100 | 1,100 | 3,600 | 2,717 | 3,400 | 350 | .... | .... | .... | 50 |
| MASKINONGE | | | | | | | | | | | |
| Fry..... | 3,350 | 2,360 | 3,750 | 2,740 | 3,550 | 3,712 | 3,610 | 2,430 | 2,940 | 4,070 | 3,390 |
| Fingerling..... | 30 | 22 | 62 | 43 | 40 | 51 | 74 | 39 | 18 | 50 | 51 |
| Adult..... | .... | .... | .... | .... | .... | .... | .... | 1 | 1 | .... | .... |

| | | | | | | | | | | | | |
|------------------|---------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|------|
| OUANANICHE | | | | | | | | | | | | |
| Fingerling..... | .... | .... | .... | .... | .... | .... | 1 | .... | .... | .... | .... | .... |
| Yearling..... | .... | .... | 24 | .... | .... | .... | .... | 11 | .... | .... | .... | .... |
| Adult..... | .... | .... | .... | .... | .... | .... | 1 | .... | .... | .... | .... | 1 |
| PERCH | | | | | | | | | | | | |
| Fry..... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| PICKEREL | | | | | | | | | | | | |
| Eggs..... | .... | .... | .... | .... | 227,000 | 91,800 | 138,805 | 90,565 | 56,245 | 30,875 | 53,790 | .... |
| Fry..... | 160,200 | 234,610 | 176,285 | 270,975 | 6,000 | 8,310 | .... | .... | .... | 3,040 | 3,600 | .... |
| Fingerling..... | .... | .... | .... | .... | .... | .... | .... | 3 | .... | .... | .... | .... |
| Adult..... | .... | .... | .... | 2 | 1 | .... | .... | .... | .... | .... | .... | .... |
| SALMON, Atlantic | | | | | | | | | | | | |
| Fingerling..... | .... | .... | 72 | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| SALMON, Chum. | | | | | | | | | | | | |
| Eggs..... | .... | .... | .... | .... | .... | 423 | .... | .... | .... | .... | .... | .... |
| Fingerling..... | .... | .... | .... | .... | .... | 449 | .... | .... | .... | .... | .... | .... |
| SALMON, Pink. | | | | | | | | | | | | |
| Eggs..... | .... | .... | .... | .... | .... | .... | 513 | .... | .... | .... | .... | .... |
| Fingerling..... | .... | .... | .... | .... | .... | .... | 224 | .... | .... | .... | .... | .... |
| SPLAKE | | | | | | | | | | | | |
| Fingerling..... | .... | .... | .... | 25 | .... | .... | .... | 16 | .... | .... | .... | .... |
| Yearling..... | .... | .... | .... | .... | 17 | 10 | 8 | 16 | 208 | 135 | 13 | .... |
| Adult..... | .... | .... | .... | .... | 2 | .... | .... | .... | .... | 1 | .... | .... |
| TROUT, Aurora. | | | | | | | | | | | | |
| Fingerling..... | .... | .... | .... | .... | .... | .... | .... | .... | .... | 2 | 2 | .... |
| TROUT, Brown | | | | | | | | | | | | |
| Eggs..... | 10 | .... | .... | .... | .... | .... | .... | 8 | .... | .... | .... | .... |
| Fingerling..... | 307 | 283 | 108 | 92 | 100 | 101 | 29 | 36 | 22 | .... | 2 | .... |
| Yearling..... | 85 | 55 | 140 | 103 | 178 | 234 | 151 | 170 | 133 | 193 | 85 | .... |
| Adult..... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |

DISTRIBUTION OF HATCHERY FISH in 000's

| SPECIES | *1950 | *1951 | *1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 |
|------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|---------|
| TROUT, Kamloops | | | | | | | | | | | |
| Eggs..... | .... | .... | .... | .... | 2** | 2** | 10 | 13 | 26 | 20 | .... |
| Fry..... | .... | .... | .... | .... | .... | .... | .... | .... | 10 | .... | .... |
| Fingerling..... | .... | .... | 1 | .... | 1** | 3** | .... | 32 | 15 | 20 | 28 |
| Yearling..... | 52 | 35 | 73 | 108 | 141** | 83** | 78 | 123 | 95 | 95 | 79 |
| Adult..... | .... | .... | .... | .... | .... | 1** | .... | .... | 32 | 1 | .... |
| TROUT, Lake | | | | | | | | | | | |
| Eggs..... | .... | .... | .... | .... | .... | .... | 12 | .... | .... | .... | .... |
| Fry..... | 1,450 | 1,775 | 1,849 | 250 | .... | .... | 10 | .... | .... | 40 | .... |
| Fingerling..... | 4,489 | 3,147 | 3,499 | 6,985 | 2,606 | 2,612 | 736 | 230 | 374 | 274 | 389 |
| Yearling..... | 55 | 134 | 231 | 172 | 415 | 241 | 320 | 39 | 832 | 634 | 653 |
| Adult..... | .... | .... | .... | .... | .... | .... | .... | .... | 9 | .... | .... |
| TROUT, Rainbow | | | | | | | | | | | |
| Fingerling..... | .... | 10 | 2 | 25 | ....** | ....** | .... | .... | .... | .... | .... |
| Yearling..... | .... | .... | .... | 1 | ....** | ....** | .... | .... | .... | .... | .... |
| TROUT, Speckled | | | | | | | | | | | |
| Eggs..... | .... | .... | .... | .... | 720 | 50 | .... | 200 | .... | 580 | 49 |
| Fry..... | .... | .... | .... | .... | .... | .... | 35 | 91 | .... | .... | 15 |
| Fingerling..... | 1,005 | 945 | 537 | 1,963 | 166 | 842 | 1,332 | 522 | 789 | 455 | 864 |
| Yearling..... | 3,141 | 3,087 | 2,721 | 3,251 | 2,056 | 1,991 | 2,092 | 2,677 | 2,079 | 1,807 | 1,616 |
| Legal Size..... | 8 | 12 | 19 | 14 | 4 | 16 | 19 | 10 | 10 | 84 | 76 |
| WHITEFISH | | | | | | | | | | | |
| Eggs..... | .... | .... | .... | .... | .... | 67,165 | 51,178 | 13,435 | 30,940 | 1,000 | 12,000 |
| Fry..... | 235,200 | 121,185 | 200,400 | 186,700 | 139,210 | 102,950 | 11,130 | 67,275 | 47,515 | 44,985 | 62,993 |
| TOTAL..... | | | | | | | | | | | |
| | 416,946 | 378,080 | 392,272 | 479,069 | 430,780 | 286,267 | 212,410 | 180,704 | 142,682 | 89,880 | 140,342 |

*Figures for 1947-1952 Compiled on Fiscal Year Basis.

**Rainbow Trout Included in Kamloops Trout Plantings.

COMMERCIAL FISHING EQUIPMENT

| Year | Licences | | Boats | | Number of Nets | | | | Freezers & Ice Houses | Wharves and Piers | Net Sheds | Total Value \$ 000's |
|------|--------------|-------|---------------|-------------------------|---------------------------|-------|-------|-------|-----------------------------|-------------------------|--------------|----------------------------|
| | Gill Nets | Total | No. of Men | 40 ft. & Over 40 ft. | Gill Nets 000's yds | Pound | Trap* | Hoop | Seine | | | |
| 1946 | .... | .... | 4,244 | 107 | 2,205 | 1,079 | .... | 1,288 | 121 | 437 | .... | 4,764 |
| 1947 | .... | 2,421 | 4,026 | 112 | 2,009 | 1,135 | .... | 1,240 | 99 | 400 | .... | 5,147 |
| 1948 | .... | .... | 3,736 | 111 | 1,930 | 1,152 | .... | 1,324 | 92 | 412 | .... | 5,716 |
| 1949 | 1,071 | 2,675 | 3,930 | 123 | 2,039 | 1,182 | .... | 1,411 | 110 | 395 | .... | 5,988 |
| 1950 | 1,021 | 2,722 | 3,886 | 116 | 1,966 | 1,214 | .... | 1,439 | 112 | 425 | .... | 6,679 |
| 1951 | 1,063 | 2,894 | 3,833 | 126 | 1,981 | 1,204 | .... | 1,483 | 105 | 416 | .... | 6,985 |
| 1952 | 1,124 | 3,115 | 3,878 | 196 | 1,682 | 1,127 | 359 | 1,564 | 109 | 462 | 727 | 8,328 |
| 1953 | 1,098 | 3,098 | 3,807 | 215 | 1,538 | 1,078 | 549 | 1,570 | 101 | 493 | 827 | 8,839 |
| 1954 | 1,045 | 3,200 | 3,657 | 214 | 1,407 | 878 | 709 | 1,578 | 116 | 482 | 778 | 9,176 |
| 1955 | 1,066 | 3,379 | 3,483 | 224 | 1,338 | 787 | 822 | 1,545 | 134 | 442 | 759 | 9,226 |
| 1956 | 1,032 | 3,470 | 3,135 | 202 | 1,320 | 784 | 763 | 1,487 | 84 | 426 | 754 | 8,891 |
| 1957 | 1,038 | 3,684 | 3,066 | 211 | 1,321 | 671 | 804 | 1,462 | 91 | 412 | 709 | 8,676 |
| 1958 | 1,100 | 4,029 | 3,224 | 212 | 1,270 | 713 | 731 | 1,441 | 81 | 404 | 727 | 9,215 |
| 1959 | 1,117 | 4,170 | 3,527 | 234 | 1,680 | 723 | 739 | 1,812 | 111 | 564 | 884 | 10,557 |
| 1960 | 1,089 | 4,176 | 3,409 | 238 | 1,740 | 744 | 661 | 1,861 | 105 | 558 | 839 | 10,124 |

* Trap Nets included with Pound Nets. 1946-1951.

YIELD OF ONTARIO FISHERIES in Thousands of Pounds

| SPECIES | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Bass, Rock; Crappies..... | .... | .... | 80 | 85 | 66 | 61 | 63 | 67 | 81 | 92 | 127 |
| Bass, White..... | .... | .... | 1,442 | 2,197 | 6,202 | 4,589 | 5,795 | 3,589 | 1,850 | 1,444 | 3,305 |
| Bullheads..... | 601 | 610 | 815 | 865 | 837 | 824 | 843 | 762 | 635 | 480 | 467 |
| Carp..... | 806 | 793 | 1,130 | 1,384 | 1,428 | 1,318 | 1,906 | 1,508 | 1,350 | 1,519 | 1,124 |
| Catfish..... | 294 | 284 | 370 | 295 | 332 | 285 | 299 | 272 | 330 | 319 | 321 |
| Caviar..... | 1 | 2 | 2 | 2 | 2 | 3 | 2 | 3 | 3 | 1 | 2 |
| Chub; Tullibee..... | 400 | 438 | 489 | 845 | 920 | 988 | 923 | 796 | 1,269 | 1,576 | 1,865 |
| Eels..... | 30 | 50 | 66 | 60 | 80 | 71 | 55 | 103 | 133 | 140 | 130 |
| Gold Eyes..... | 84 | 114 | 102 | 34 | 87 | 6 | 84 | 31 | 22 | 15 | 33 |
| Herring; Ciscoe..... | 1,572 | 1,428 | 1,598 | 1,149 | 1,375 | 936 | 1,142 | 1,996 | 1,917 | 2,947 | 2,227 |
| Ling..... | .... | .... | 247 | 458 | 426 | 506 | 451 | 354 | 484 | 432 | 614 |
| Menominee, Pilots..... | .... | .... | 21 | 11 | 13 | 18 | 20 | 23 | 26 | 24 | 63 |
| Perch..... | 2,710 | 3,375 | 2,738 | 4,629 | 8,203 | 5,181 | 11,843 | 12,068 | 16,299 | 19,968 | 12,774 |
| Pickarel, Blue..... | 8,665 | 4,102 | 7,447 | 10,399 | 8,210 | 12,070 | 12,019 | 6,398 | 833 | 50 | 5 |
| Pickarel, Yellow..... | 3,510 | 4,025 | 4,760 | 4,650 | 5,196 | 6,883 | 11,673 | 10,609 | 7,825 | 4,653 | 3,702 |
| Pike, Northern..... | 875 | 1,005 | 1,056 | 964 | 1,148 | 913 | 904 | 914 | 1,017 | 993 | 966 |
| Saugers..... | 343 | 639 | 302 | 250 | 212 | 168 | 133 | 103 | 174 | 112 | 85 |
| Sheepshead..... | .... | .... | 1,121 | 849 | 853 | 840 | 774 | 849 | 1,817 | 1,419 | 1,539 |
| Smelt..... | .... | .... | 662 | 1,326 | 1,550 | 2,328 | 4,016 | 4,666 | 4,967 | 7,059 | 11,666 |
| Sturgeon..... | 168 | 164 | 183 | 193 | 172 | 160 | 138 | 174 | 243 | 179 | 184 |
| Suckers..... | .... | .... | 1,485 | 1,568 | 1,485 | 1,395 | 1,394 | 1,317 | 1,509 | 1,410 | 1,616 |
| Sunfish..... | .... | .... | 285 | 469 | 376 | 370 | 416 | 375 | 276 | 225 | 286 |
| Trout, Lake..... | 2,044 | 1,975 | 2,181 | 1,862 | 1,562 | 1,190 | 641 | 498 | 622 | 522 | 286 |
| Whitefish..... | 6,589 | 7,180 | 9,426 | 10,214 | 6,844 | 4,452 | 4,049 | 3,226 | 3,278 | 3,183 | 3,845 |
| Miscellaneous..... | 4,064 | 4,787 | 65 | 83 | 101 | 83 | 132 | 413 | 212 | 227 | 163 |
| TOTAL..... | 32,756 | 30,972 | 38,044 | 44,839 | 47,679 | 45,636 | 59,717 | 51,113 | 47,172 | 48,992 | 47,397 |
| TOTAL VALUE (000's \$), | 6,252 | 7,044 | 7,417 | 7,037 | 7,013 | 6,783 | 7,928 | 7,047 | 7,274 | 4,866 | 4,933 |

YIELD OF ONTARIO FISHERIES in Thousands of Pounds

| Year | Lake Ontario | Lake Erie | Lake St. Clair | Lake Huron | Georgian Bay | North Channel | Lake Superior | Northern Inland | Southern Inland | Total | Value \$'000 |
|------|--------------|-----------|----------------|------------|--------------|---------------|---------------|-----------------|-----------------|--------|--------------|
| 1936 | 3,154 | 11,954 | 650 | 3,511 | 2,862 | 1,417 | 4,899 | 4,883 | 925 | 34,255 | 2,615 |
| 1937 | 3,377 | 14,665 | 766 | 3,189 | 3,079 | 1,307 | 4,509 | 4,447 | 754 | 36,093 | 2,644 |
| 1938 | 3,086 | 14,502 | 669 | 3,009 | 3,082 | 1,194 | 4,057 | 4,598 | 717 | 34,914 | 2,574 |
| 1939 | 3,512 | 14,264 | 784 | 2,496 | 2,989 | 960 | 3,307 | 4,883 | 655 | 33,850 | 2,565 |
| 1940 | 3,040 | 9,768 | 835 | 2,211 | 2,659 | 792 | 3,319 | 4,734 | 609 | 27,967 | 2,226 |
| 1941 | 3,126 | 8,951 | 992 | 2,148 | 2,734 | 542 | 3,436 | 4,504 | 517 | 26,950 | 2,147 |
| 1942 | 2,488 | 10,038 | 598 | 2,081 | 2,163 | 535 | 3,362 | 4,570 | 546 | 26,381 | 3,372 |
| 1943 | 2,281 | 14,483 | 487 | 1,836 | 2,010 | 572 | 3,347 | 4,961 | 618 | 30,595 | 4,704 |
| 1944 | 2,637 | 15,256 | 449 | 1,460 | 1,545 | 487 | 3,761 | 4,964 | 482 | 30,041 | 4,389 |
| 1945 | 2,338 | 18,950 | 503 | 1,071 | 1,524 | 434 | 3,812 | 5,040 | 606 | 34,278 | 6,484 |
| 1946 | 2,059 | 18,925 | 493 | 954 | 1,292 | 290 | 3,589 | 4,719 | 679 | 33,000 | 5,597 |
| 1947 | 2,002 | 12,334 | 466 | 1,107 | 666 | 267 | 2,830 | 4,802 | 448 | 24,922 | 4,803 |
| 1948 | 2,046 | 14,926 | 437 | 1,440 | 913 | 445 | 3,371 | 4,629 | 735 | 28,942 | 5,735 |
| 1949 | 2,006 | 19,093 | 540 | 1,260 | 1,563 | 550 | 3,188 | 5,254 | 607 | 34,061 | 5,497 |
| 1950 | 2,219 | 16,866 | 469 | 1,301 | 2,794 | 668 | 2,655 | 5,229 | 555 | 32,756 | 6,252 |
| 1951 | 2,411 | 13,114 | 389 | 1,474 | 3,720 | 548 | 2,851 | 5,728 | 707 | 30,972 | 7,044 |
| 1952 | 2,281 | 17,417 | 792 | 1,736 | 5,359 | 433 | 3,127 | 6,221 | 678 | 38,044 | 7,417 |
| 1953 | 2,059 | 23,389 | 983 | 1,396 | 6,876 | 458 | 2,771 | 6,080 | 827 | 44,839 | 7,037 |
| 1954 | 1,914 | 28,912 | 1,021 | 1,463 | 4,292 | 395 | 2,890 | 6,080 | 712 | 47,679 | 7,013 |
| 1955 | 1,943 | 30,285 | 822 | 1,262 | 2,298 | 244 | 2,540 | 5,627 | 615 | 45,636 | 6,783 |
| 1956 | 2,627 | 44,682 | 1,029 | 1,463 | 1,113 | 187 | 2,145 | 5,878 | 593 | 59,717 | 7,928 |
| 1957 | 1,997 | 37,105 | 1,113 | 988 | 664 | 191 | 2,797 | 5,764 | 493 | 51,113 | 7,047 |
| 1958 | 2,098 | 30,751 | 907 | 2,023 | 407 | 255 | 2,871 | 7,316 | 544 | 47,172 | 7,274 |
| 1959 | 2,051 | 31,597 | 845 | 2,203 | 225 | 171 | 3,850 | 7,617 | 432 | 48,992 | 4,866 |
| 1960 | 1,958 | 29,219 | 659 | 3,489 | 218 | 206 | 2,828 | 8,234 | 586 | 47,397 | 4,933 |

NEW POLICIES

CORRECTIONS

[illegible]

FOREST PROTECTION BRANCH

The first legislation on forest protection was placed in the statutes in 1878 as "An Act to Preserve the Forests from Destruction by Fire".

The late Aubrey White, Deputy Minister from 1887 to 1915, is regarded as the father of forest protection as the term is understood today. His extensive report on forest fire losses on March 30th, 1885, led to Ontario's first system of fire ranging, instituted in 1886. The expenses were shared by the province and licensees.

In the annual report for the following year, Mr. White stated: "Last year was the first year of the experiment which was found to work in a satisfactory manner to the Department as well as to the licensees...the net expense to the province was under \$4,000." Mr. White asked for \$8,000 for his new budget.

In 1897, fire rangers were placed on unlicensed Crown Lands at public expense. In 1910, licensees were assessed the full costs of fire ranging on limits.

The Forest Fires Prevention Act of 1917 established the Fire Permit system to control settlers' fires. The Crown Timber Act of the same year established the fire tax, an annual per-acre protection charge on licensed lands.

In 1948, The Forest Fires Prevention Act was rewritten in its present form; minor amendments have been made from time to time.

ORGANIZATION

In 1917, the fire ranging service was transferred from Woods and Forests Branch to the Provincial Forester, a new position created under E.J. Zavitz. In 1924, the Provincial Air Service was established. In 1934, forest ranging was combined with fire ranging.

In 1941, Forest Protection and Air Service were established as separate Divisions under C.R. Mills and G.E. Ponsford, respectively. J.A. Brodie acted for Mr. Mills during his absence on war service.

T.E. Mackey was appointed Chief of Forest Protection on November 1st, 1946.

Forest Protection and Air Service were joined as Branches under Mr. Mackey within the Division of Forest Protection on December 1st, 1957. Exactly two years later, the units were termed Sections and Branch, respectively.

FOREST PROTECTION BRANCH

Chief: T.E. MACKEY

Assistant Chief: J.M. WHALEN

FOREST PROTECTION SECTION

Supervisor: W.T. Foster

Fire Prevention and Control
Forest Insects and Disease
Improvements and Equipment
Radio and Telephone Communications
Records Statistics
Clerical and Stenographic Staff

AIR SERVICE SECTION (Sault Ste. Marie)

Acting Supervisor: W.B. Buckworth

Procurement, Operation and Maintenance of
fleet of aircraft
Supervisory Personnel

TECHNICAL DEVELOPMENTS

Portable pumps, powered by motors, were used for the first time in 1917.

Early experiments with radio communications began at Sudbury, but the first organized radio service was established in 1927 in the Red Lake Division of what is now Sioux Lookout District. In 1935, V.H.F. radio equipment was installed in towers. In 1939, aircraft were fitted with radio. In 1949, the province-wide network was completed with the "key" station at Maple.

Suppression crews were first carried on routine air patrols in 1952.

Helicopters were used throughout the fire season for the first time in 1953.

The bad fire year of 1955 resulted in the first large-scale attack on fires in the modern manner. The suppression action featured mobility of resources.

The Forest Insect Laboratory was completed at Sault Ste. Marie in 1946. The Laboratory of Forest Pathology was completed at the Southern Research Station in Maple in 1953.

HISTORIC FIRES

PORCUPINE, 1911 - This fire burned over 864 square miles, taking 73 lives and causing \$ 3,000,000 property damage.

MATHESON, 1916 - The death toll was 223 as more than 1,000 square miles burned; property damage: \$ 2,000,000.

HAILEYBURY, 1922 - Over 2,000 square miles were burned over; 44 lives were lost; property damage was \$ 6,000,000.

FORT FRANCES, 1938 - Seventeen deaths were caused by forest fires.

MISSISSAGI, 1948 - A major disaster was followed by the salvage of 200,000 M.B.F. of lumber and 125,000 cords of pulpwood.

SIOUX LOOKOUT, 1961 - Following a three-year drought, lightning storms and high winds in the latter part of June resulted in widespread fires which destroyed more than 1,000,000 acres.

AIR SERVICE SECTION

The Provincial Air Service began in 1924 with the purchase of twenty HS2L flying boats; 2,500 hours were flown the first year. Bases were opened at strategic points throughout the forest area and fuel caches were located at appropriate intervals. W.Roy Maxwell, previously with Laurentide Air Service, was appointed as first Director.

George E. Ponsford, widely experienced in both war and peacetime flying, became Director in 1934.

The most important additions to the fleet were 16 D.H. Moth seaplanes, first purchased in 1927; Vickers Vedette amphibians, 1929; four Hamilton seaplanes, 1930; four Fairchild seaplanes, 1930; four Buhls, 1935; nine Stinson gull wings, 1937; and 15 Norseman seaplanes, purchased from 1944 to 1952.

The purchase of the first Beaver aircraft in 1948 (see Aircraft Service Record) was the beginning of a new efficiency in flying operations. The Beaver and the larger model, the Otter, were designed and built to meet Department requirements. Their success in Ontario has led to their establishment in many parts of the world.

Four Beavers have been sold and others have been lost in service: at Geraldton in 1950; at Temagami in 1951; at Dryden in 1952; at Lauzon Lake in 1953; at Ear Falls in 1959.

In spite of unfavourable flying conditions, only 25 aircraft have been written off. The last of 19 flying fatalities occurred in May, 1952.

The development of water-dropping equipment, begun in 1945, was culminated in 1957 with the successful use of water tanks mounted on aircraft floats. By 1958, all Service aircraft were equipped with tanks which have proved to be very valuable in suppression operations. The newest tanks are streamlined and operate automatically.

ESTIMATED FIRE DAMAGE

| Year | TIMBER DAMAGE (000's Cu. Ft.) | | | TIMBER DAMAGE (Crown Dues, Only) | | | DAMAGE TO REPRODUCTION* | | | TOTAL DAMAGE | PRIVATE PROPERTY DAMAGE |
|------|----------------------------------|---------|---------|-------------------------------------|-----------|-----------|-------------------------|-----------|-----------|-----------------|-------------------------------|
| | Crown | Private | Total | Crown | Private | Total | Crown | Private | Total | | |
| 1950 | 1,624 | 1,937 | 3,561 | \$ 16,244 | \$ 19,365 | \$ 35,609 | \$ 8,611 | \$ 10,927 | \$ 19,538 | \$ 55,148 | \$ 103,682 |
| 1951 | 29,401 | 188 | 29,590 | 294,015 | 1,880 | 295,895 | 92,431 | 1,121 | 93,552 | 389,447 | 56,389 |
| 1952 | 1,401 | 577 | 1,978 | 14,013 | 5,769 | 19,782 | 9,169 | 553 | 9,722 | 29,504 | 31,347 |
| 1953 | 27,934 | 1,688 | 29,622 | 279,340 | 16,880 | 296,220 | 87,811 | 9,843 | 97,654 | 393,874 | 81,778 |
| 1954 | 24,825 | 84 | 24,909 | 248,249 | 838 | 249,087 | 156,362 | 793 | 157,154 | 406,241 | 15,650 |
| 1955 | 267,186 | 587 | 267,773 | 2,671,857 | 5,870 | 2,677,727 | 900,331 | 13,622 | 913,953 | 3,591,680 | 184,940 |
| 1956 | 155,305 | 74 | 155,378 | 2,868,133 | 2,118 | 2,870,251 | 195,491 | 2,411 | 197,901 | 3,068,152 | 22,319 |
| 1957 | 20,107 | 1,014 | 21,121 | 406,376 | 21,876 | 428,252 | 23,086 | 11,722 | 34,808 | 463,059 | 113,751 |
| 1958 | 8,721 | 2,465 | 11,186 | 173,377 | 49,369 | 222,685 | 53,576 | 35,242 | 88,818 | 311,503 | 97,036 |
| 1959 | 680 | 42 | 722 | 13,882 | 826 | 14,709 | 2,579 | 4,752 | 7,332 | 22,041 | 20,757 |
| 1960 | 21,293 | 123 | 21,416 | 425,860 | 2,470 | 428,330 | 8,337 | 1,427 | 9,764 | 438,094 | 56,442 |
| 1961 | 981,950 | 752 | 982,702 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |

* Protection Charges, 1950-1955.

FOREST FIRE SUMMARY

| Year | NUMBER OF ACRES BURNED OVER | | | Number Of Fires | Average Acreage |
|-------|-----------------------------|---------|-----------|--------------------|--------------------|
| | Crown | Private | Total | | |
| 1917 | ..... | ..... | 384,164 | 1,110 | 346 |
| 1918 | ..... | ..... | 30,172 | 965 | 31 |
| 1919 | ..... | ..... | 922,161 | 1,780 | 518 |
| 1920 | ..... | ..... | 358,851 | 1,287 | 279 |
| 1921 | ..... | ..... | 749,534 | 1,269 | 591 |
| 1922 | ..... | ..... | 346,193 | 1,021 | 339 |
| 1923 | ..... | ..... | 2,120,148 | 1,343 | 1,579 |
| 1924 | ..... | ..... | 146,017 | 851 | 171 |
| 1925 | ..... | ..... | 189,543 | 1,149 | 165 |
| 1926 | 65,888 | 22,486 | 88,374 | 1,110 | 80 |
| 1927 | 22,772 | 12,970 | 35,742 | 924 | 39 |
| 1928 | 96,436 | 3,947 | 100,383 | 536 | 189 |
| 1929 | 608,750 | 16,893 | 625,643 | 1,550 | 404 |
| 1930 | 357,531 | 354,278 | 711,809 | 1,402 | 508 |
| 1931 | 105,866 | 32,421 | 138,287 | 1,851 | 75 |
| 1932 | 626,555 | 52,466 | 679,021 | 2,073 | 328 |
| 1933 | 325,034 | 24,924 | 349,958 | 1,919 | 182 |
| 1934 | 160,348 | 38,285 | 198,633 | 1,568 | 127 |
| 1935 | 183,179 | 67,483 | 250,662 | 1,309 | 191 |
| 1936 | 1,153,876 | 110,557 | 1,264,433 | 2,264 | 558 |
| 1937 | 201,887 | 22,859 | 224,746 | 1,453 | 155 |
| 1938 | 96,168 | 42,077 | 138,245 | 1,292 | 107 |
| 1939 | 26,089 | 3,009 | 29,098 | 961 | 30 |
| 1940 | 100,990 | 20,624 | 121,614 | 1,014 | 120 |
| 1941 | 271,793 | 394,754 | 666,547 | 1,265 | 527 |
| 1942 | 77,709 | 36,007 | 113,716 | 1,224 | 93 |
| 1943 | 33,465 | 19,352 | 52,817 | 624 | 85 |
| 1944 | 73,228 | 95,663 | 168,891 | 1,137 | 149 |
| 1945 | 17,997 | 30,513 | 48,510 | 966 | 47 |
| 1946 | 44,656 | 32,113 | 76,769 | 1,739 | 44 |
| 1947 | 38,093 | 45,939 | 84,032 | 1,393 | 60 |
| 1948 | 854,778 | 162,611 | 1,017,389 | 2,036 | 500 |
| 1949 | 40,593 | 19,472 | 60,065 | 1,834 | 33 |
| 1950 | 13,203 | 23,577 | 36,780 | 985 | 37 |
| 1951 | 96,662 | 4,581 | 101,243 | 904 | 112 |
| 1952 | 7,264 | 5,157 | 12,421 | 1,095 | 11 |
| 1953 | 44,519 | 14,290 | 58,809 | 1,520 | 39 |
| 1954 | 36,115 | 18,578 | 54,693 | 881 | 62 |
| 1955 | 370,948 | 25,475 | 396,423 | 2,252 | 176 |
| 1956 | 221,822 | 4,390 | 226,212 | 1,017 | 222 |
| 1957 | 24,250 | 22,401 | 46,651 | 1,671 | 28 |
| 1958 | 25,544 | 11,108 | 36,652 | 1,558 | 24 |
| 1959 | 2,580 | 2,701 | 5,281 | 1,029 | 5 |
| 1960 | 29,190 | 2,196 | 31,386 | 956 | 33 |
| 1961* | 1,181,180 | 3,818 | 1,184,998 | 1,305 | 908 |

*Preliminary report to December 1st, 1961

1961 FOREST FIRES (Preliminary Report)

| DISTRICT | ACRES BURNED | NUMBER OF FIRES | AVERAGE ACREAGE |
|-----------------------|-----------------|--------------------|--------------------|
| Chapleau..... | 361 | 7 | 51½ |
| Cochrane..... | 777 | 18 | 43 |
| Fort Frances..... | 5,232 | 95 | 55 |
| Geraldton..... | 308 | 55 | 56 |
| Gogama..... | 2 | 13 | -- |
| Kapuskasing..... | 42 | 12 | 3½ |
| Kenora..... | 34,155 | 250 | 136½ |
| Lake Huron..... | 3 | 3 | 1 |
| Lake Simcoe..... | 2 | 2 | 1 |
| Lindsay..... | 122 | 50 | 2½ |
| North Bay..... | 128 | 38 | 3½ |
| Parry Sound..... | 158 | 77 | 2 |
| Pembroke..... | 66 | 38 | 1½ |
| Port Arthur..... | 8,887 | 92 | 96½ |
| Sault Ste. Marie..... | 347 | 75 | 46 |
| Sioux Lookout..... | 1,131,092 | 201 | 5,627 |
| Sudbury..... | 659 | 115 | 5½ |
| Swastika..... | 265 | 23 | 11½ |
| Tweed..... | 2,341 | 100 | 23½ |
| White River..... | 51 | 41 | 1 |
| MONTHS | | | |
| April..... | 1,125 | 88 | 14 |
| May..... | 3,716 | 311 | 12 |
| June..... | 1,153,050 | 317 | 3,637 |
| July..... | 17,115 | 210 | 81½ |
| August..... | 8,348 | 253 | 33 |
| September..... | 41 | 32 | 1 |
| October..... | 66 | 63 | 1 |
| November..... | 1,537 | 31 | 50 |
| Total..... | 1,184,998 | 1,305 | 908 |

FOREST FIRES CLASSIFIED BY ORIGIN, AGENCY OF DETECTION, AND SIZE

| ORIGIN | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | *1961 |
|--------------------|-------|-------|-------|------|------|-------|-------|------|-------|-------|-------|-------|-------|------|-------|
| Settlers..... | 75 | 147 | 152 | 107 | 74 | 112 | 92 | 42 | 148 | 49 | 125 | 123 | 52 | 55 | 79 |
| Campers..... | 298 | 432 | 451 | 256 | 191 | 315 | 388 | 221 | 390 | 196 | 379 | 325 | 323 | 265 | 289 |
| Smokers..... | 248 | 461 | 340 | 258 | 173 | 214 | 279 | 147 | 298 | 145 | 342 | 371 | 159 | 116 | 200 |
| Railways..... | 180 | 333 | 138 | 99 | 139 | 131 | 188 | 82 | 189 | 122 | 176 | 149 | 67 | 49 | 64 |
| Road Construction | 30 | 46 | 85 | 47 | 28 | 26 | 13 | 11 | 13 | 34 | 73 | 63 | 12 | 18 | 15 |
| Logging..... | 56 | 52 | 52 | 29 | 38 | 31 | 24 | 13 | 53 | 22 | 39 | 17 | 25 | 20 | 19 |
| Mining..... | 6 | 6 | 6 | 3 | 12 | 5 | 2 | 3 | 11 | 6 | 7 | 1 | 2 | 2 | 4 |
| Prospectors..... | 2 | 2 | 6 | 1 | ... | ... | 1 | 2 | 11 | 8 | 3 | 1 | 4 | 1 | 1 |
| Incendiary..... | 15 | 35 | 32 | 16 | 16 | 13 | 19 | 25 | 31 | 8 | 26 | 43 | 13 | 12 | 31 |
| Miscellaneous.... | 31 | 31 | 94 | 68 | 74 | 108 | 143 | 74 | 148 | 123 | 194 | 229 | 116 | 97 | 140 |
| Unknown..... | 42 | 9 | 10 | 8 | 8 | 10 | 14 | 9 | 32 | 2 | 32 | 17 | 14 | 11 | 12 |
| Lightning..... | 410 | 433 | 468 | 93 | 151 | 130 | 357 | 252 | 928 | 302 | 275 | 219 | 242 | 310 | 451 |
| Total..... | 1,393 | 2,036 | 1,834 | 985 | 904 | 1,095 | 1,520 | 881 | 2,252 | 1,017 | 1,671 | 1,558 | 1,027 | 956 | 1,305 |
| Man Caused - Total | 983 | 1,603 | 1,366 | 892 | 753 | 965 | 1,163 | 629 | 1,324 | 715 | 1,396 | 1,339 | 785 | 646 | 854 |
| Percentage.. | 71 | 79 | 74 | 91 | 83 | 88 | 77 | 71 | 59 | 70 | 84 | 86 | 76 | 68 | 65 |
| Prosecutions..... | | | | | | | | | | 62 | 55 | 71 | 38 | 31 | 54 |
| Convictions..... | | | | | | | | | | 56 | 41 | 62 | 35 | 30 | 47 |

* Preliminary Report to December 1st, 1961.

| MEANS OF DETECTION | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | *1961 |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Towers..... | 424 | 575 | 630 | 352 | 310 | 344 | 528 | 353 | 891 | 262 | 575 | 581 | 414 | 304 | 420 |
| Aircraft..... | 264 | 411 | 337 | 117 | 122 | 139 | 216 | 126 | 395 | 189 | 202 | 121 | 91 | 158 | 252 |
| Rangers..... | 158 | 241 | 168 | 93 | 72 | 82 | 122 | 46 | 102 | 57 | 141 | 87 | 66 | 63 | 97 |
| Public..... | 547 | 809 | 699 | 423 | 400 | 530 | 654 | 356 | 864 | 509 | 753 | 769 | 458 | 431 | 536 |

| SIZE | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | *1961 |
|-------------------------|------|------|------|------|------|------|------|------|-------|------|------|------|------|------|-------|
| ‡ acre..... | 412 | 571 | 574 | 260 | 329 | 391 | 500 | 354 | 846 | 395 | 575 | 490 | 470 | 416 | 483 |
| ‡-5 acres..... | 626 | 894 | 811 | 426 | 383 | 516 | 719 | 392 | 1,004 | 456 | 741 | 753 | 434 | 398 | 579 |
| 5-10 acres..... | 97 | 155 | 122 | 92 | 45 | 65 | 102 | 36 | 120 | 46 | 120 | 108 | 59 | 50 | 85 |
| 10-100 acres..... | 177 | 285 | 242 | 155 | 115 | 103 | 146 | 81 | 188 | 66 | 187 | 178 | 56 | 59 | 107 |
| 100-500 acres.... | 50 | 74 | 61 | 43 | 21 | 16 | 33 | 9 | 52 | 26 | 37 | 20 | 9 | 23 | 12 |
| 500-1,000 acres.. | 12 | 24 | 16 | 3 | 5 | 3 | 7 | 2 | 16 | 4 | 7 | 4 | 1 | 5 | 8 |
| 1,000-10,000 acres | 19 | 24 | 7 | 6 | 4 | 1 | 13 | 5 | 18 | 21 | 3 | 5 | ... | 5 | 12 |
| Over 10,000 acres | ... | 9 | 1 | ... | 2 | ... | ... | 2 | 8 | 3 | 1 | ... | ... | ... | 19 |
| AVERAGE SIZE (Acres) | 60 | 500 | 33 | 37 | 112 | 11 | 39 | 62 | 176 | 222 | 28 | 24 | 5 | 33 | 908 |

* Preliminary Report to December 1st, 1961

FOREST PROTECTION PERMITS

| Year | Fire Permits | WORK PERMITS | | TRAVEL PERMITS | |
|------|-----------------|--------------|--------|----------------|---------|
| | | Permits | Men | Permits | Persons |
| 1926 | 13,466 | ..... | ..... | ..... | ..... |
| 1927 | 13,593 | ..... | ..... | 6,548 | 15,669 |
| 1928 | 13,611 | ..... | ..... | 15,406 | 42,566 |
| 1929 | 14,038 | ..... | ..... | 20,738 | 51,443 |
| 1930 | 15,094 | ..... | ..... | 36,799 | 91,457 |
| 1931 | 27,031 | 3,642 | 27,078 | 48,593 | 135,975 |
| 1932 | 23,187 | 3,626 | 23,186 | 46,753 | 132,783 |
| 1933 | 26,922 | 5,464 | 33,474 | 14,161 | 35,921 |
| 1934 | 20,962 | 6,029 | 56,405 | 12,178 | 30,162 |
| 1935 | 18,988 | ..... | ..... | 9,774 | 28,606 |
| 1936 | 18,964 | ..... | ..... | 8,447 | 26,564 |
| 1937 | 15,400 | 4,434 | 57,978 | 8,947 | 28,946 |
| 1938 | 15,035 | 4,106 | 44,882 | 12,216 | 38,952 |
| 1939 | 15,565 | 3,686 | 48,208 | 12,707 | 40,446 |
| 1940 | 14,522 | 2,684 | 46,727 | 10,162 | 33,350 |
| 1941 | 7,833 | 2,251 | 46,079 | 11,353 | 36,315 |
| 1942 | 8,542 | 1,826 | 40,194 | 8,358 | 24,725 |
| 1943 | 5,242 | 2,272 | 34,440 | 11,004 | 28,567 |
| 1944 | 5,106 | 2,173 | 34,927 | 13,510 | 41,569 |
| 1945 | 5,764 | 2,799 | 47,280 | 20,393 | 70,085 |
| 1946 | 8,940 | 3,496 | 67,346 | 35,794 | 112,191 |
| 1947 | 7,925 | 3,491 | 61,140 | 51,187 | 146,185 |
| 1948 | 9,237 | 3,030 | 51,736 | 61,384 | 194,617 |
| 1949 | 11,546 | 3,168 | 47,465 | 90,206 | 256,320 |
| 1950 | 9,357 | 3,753 | 57,581 | 86,975 | 323,870 |
| 1951 | 9,647 | 4,130 | 65,762 | 114,998 | 422,938 |
| 1952 | 11,764 | 3,971 | 55,882 | 124,193 | 455,979 |
| 1953 | 14,189 | 3,585 | 49,387 | 146,481 | 506,703 |
| 1954 | 12,315 | 3,496 | 67,346 | 113,971 | 408,018 |
| 1955 | 14,803 | 3,668 | 76,703 | 211,724 | 717,542 |
| 1956 | 14,142 | 3,930 | 62,469 | 181,396 | 608,138 |
| 1957 | 12,778 | 3,095 | 55,227 | 118,690 | 427,834 |
| 1958 | 15,842 | 2,922 | 44,362 | 121,373 | 412,468 |
| 1959 | 17,889 | 3,705 | 44,942 | 112,916 | 390,510 |
| 1960 | 18,616 | 4,024 | 45,837 | 94,634 | 332,471 |

MAJOR EQUIPMENT March 31st

| | 1948 | 1949 | 1950 | 1951 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 |
|----------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Portable Power Pumps | 795 | 838 | 896 | 976 | 1,029 | 1,062 | 1,097 | 1,218 | 1,215 | 1,255 | 1,396 | 1,271 | 1,225 |
| Portable Hand Pumps. | 4,309 | 4,622 | 5,717 | 6,154 | 6,206 | 6,406 | 6,362 | 7,907 | 7,899 | 8,712 | 8,336 | 8,344 | 8,237 |
| Hose (000's Feet)... | 2,110 | 2,148 | 2,144 | 2,266 | 2,743 | 2,826 | 2,714 | 3,319 | 3,312 | 3,890 | 3,551 | 3,712 | 3,664 |
| Tents..... | 1,558 | 1,611 | 1,567 | 1,698 | 1,841 | 2,030 | 1,997 | 2,376 | 2,469 | 2,438 | 2,483 | 2,391 | 2,433 |
| Eiderdowns..... | ..... | ..... | ..... | ..... | ..... | ..... | 1,365 | 1,506 | 1,538 | 1,597 | 1,671 | 1,739 | 1,750 |
| Blankets..... | 25,670 | 24,840 | 24,104 | 24,816 | 27,966 | 30,314 | 32,668 | 31,582 | 29,288 | 29,505 | 29,024 | 30,540 | 31,946 |
| Binoculars..... | 325 | 369 | 382 | 445 | 556 | 575 | 573 | 642 | 609 | 615 | 647 | 659 | 661 |
| Canoes..... | 1,041 | 1,051 | 1,003 | 1,084 | 1,142 | 1,061 | 1,114 | 1,087 | 1,073 | 1,052 | 1,005 | 954 | 930 |
| Boats (Outboard).... | ..... | ..... | 231 | 278 | 373 | 379 | 418 | 434 | 459 | 493 | 519 | 534 | 538 |
| Motors (Outboard)... | 438 | 476 | 501 | 552 | 648 | 690 | 752 | 771 | 771 | 800 | 785 | 809 | 807 |
| Boats (Inboard)..... | 61 | 60 | 57 | 63 | 63 | 61 | 55 | 64 | 60 | 59 | 48 | 44 | 42 |
| Barges and Scows.... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 4 | 6 | 7 | 6 | 9 |
| Trucks and Autos.... | 279 | 318 | 400 | 491 | 666 | 730 | 715 | 786 | 751 | 861 | 918 | 905 | 945 |
| Trailers..... | ..... | ..... | ..... | ..... | ..... | ..... | 107 | 141 | 166 | 205 | 249 | 263 | 277 |
| Tractors..... | ..... | ..... | ..... | 50 | 73 | 93 | 101 | 121 | 134 | 312 | 186 | 184 | 194 |
| Railway Motor Cars.. | 47 | 46 | 44 | 44 | 50 | 49 | 45 | 47 | 46 | 44 | 44 | 42 | 41 |
| Velocipedes..... | 50 | 35 | ..... | ..... | ..... | ..... | ..... | ..... | 24 | 24 | 22 | 20 | 18 |
| Snowmobiles..... | ..... | ..... | ..... | ..... | ..... | ..... | 7 | 8 | 10 | 14 | 10 | 13 | 14 |
| Radio Sets, Stations | 285 | 310 | 347 | 397 | 613 | 686 | 801 | 825 | 899 | 1,047 | 1,140 | 1,294 | 1,564 |
| Steel Towers..... | 234 | 230 | 231 | 271 | 279 | 279 | 280 | 288 | 292 | 302 | 308 | 315 | 318 |

MAJOR EQUIPMENT March 31st, 1961

| DISTRICTS REGIONS AND OTHERS | Portable Pumps Power | 000's ft. Fire Hose | Tents | Sleep- ing Bags | Blankets | Bin- ocu- lars | Can- oes | Outboard Boats | In- bd. Motors | Bar- ges | Motor Veh's | Trail- ers | Tract- ors | Rly Mtr. | Vel- oci- pedes | Snow Cars |
|------------------------------------|----------------------------|---------------------------|-------|-----------------------|----------|----------------------|-------------|-------------------|----------------------|-------------|----------------|---------------|---------------|-------------|-----------------------|--------------|
| Aylmer..... | 12 | 115 | 30 | 7 | 14 | 29 | 4 | 13 | 13 | .. | 43 | 18 | 12 | .. | .. | .. |
| Chapleau..... | 44 | 200 | 134 | 55 | 1,709 | 21 | 40 | 10 | 24 | .. | 26 | 7 | 5 | .. | .. | .. |
| Cochrane..... | 59 | 786 | 209 | 83 | 1,831 | 39 | 52 | 14 | 43 | 3 | 40 | 11 | 7 | 8 | .. | 1 |
| Fort Frances.... | 47 | 129 | 133 | 84 | 1,084 | 23 | 34 | 29 | 33 | 2 | 22 | 5 | 5 | .. | 1 | .. |
| Geraldton..... | 87 | 694 | 275 | 186 | 2,037 | 31 | 61 | 6 | 40 | 3 | 1 | 40 | 7 | 4 | 3 | .. |
| Gogama..... | 37 | 265 | 134 | 36 | 1,587 | 20 | 36 | 10 | 22 | 2 | 1 | 19 | 6 | 7 | .. | 2 |
| Hespeler..... | 16 | 145 | 36 | 10 | 18 | 21 | 2 | 19 | 15 | .. | 52 | 28 | 12 | .. | .. | .. |
| Kapuskasing..... | 48 | 494 | 135 | 56 | 1,729 | 34 | 64 | 8 | 34 | .. | 32 | 10 | 7 | 8 | 7 | 1 |
| Kemptville..... | 15 | 131 | 28 | 9 | 22 | 11 | 1 | 23 | 17 | 1 | 21 | 12 | 13 | .. | .. | .. |
| Kenora..... | 65 | 167 | 194 | 53 | 518 | 26 | 48 | 28 | 31 | 5 | 1 | 42 | 5 | 7 | 1 | .. |
| Lindsay..... | 46 | 321 | 122 | 37 | 677 | 30 | 30 | 38 | 36 | .. | 50 | 24 | 17 | .. | .. | .. |
| Maple..... | 32 | 246 | 63 | 8 | 326 | 24 | 4 | 23 | 23 | 1 | 56 | 18 | 25 | .. | .. | 1 |
| North Bay..... | 50 | 239 | 126 | 119 | 845 | 36 | 74 | 36 | 53 | 1 | 46 | 7 | 6 | .. | .. | .. |
| Parry Sound..... | 46 | 299 | 133 | 85 | 1,438 | 33 | 38 | 44 | 52 | 2 | 43 | 17 | 4 | .. | 3 | 1 |
| Pembroke..... | 41 | 300 | 152 | 106 | 1,989 | 17 | 77 | 33 | 50 | 1 | 53 | 13 | 10 | 4 | .. | 2 |
| Port Arthur..... | 65 | 241 | 179 | 80 | 1,385 | 34 | 42 | 21 | 26 | .. | 1 | 44 | 9 | .. | .. | .. |
| Sault Ste. Marie | 68 | 408 | 209 | 69 | 2,953 | 31 | 45 | 13 | 26 | .. | 1 | 58 | 10 | 2 | .. | .. |
| Sioux Lookout... | 94 | 469 | 297 | 180 | 2,007 | 25 | 65 | 18 | 56 | 2 | 28 | 5 | 3 | 3 | 3 | 3 |
| Sudbury..... | 57 | 358 | 222 | 132 | 2,193 | 33 | 52 | 28 | 45 | 8 | 2 | 45 | 8 | 7 | 1 | .. |
| Swastika..... | 37 | 314 | 138 | 59 | 947 | 20 | 32 | 22 | 30 | .. | 29 | 19 | 6 | .. | .. | .. |
| Tweed..... | 40 | 368 | 92 | 63 | 452 | 39 | 12 | 46 | 44 | 1 | 48 | 20 | 4 | 1 | .. | 1 |
| White River..... | 48 | 318 | 140 | 60 | 979 | 23 | 59 | 12 | 26 | .. | 35 | 7 | 3 | 2 | 2 | .. |
| Central..... | 45 | 511 | 180 | 62 | 1,294 | .. | 1 | 1 | 3 | .. | 1 | .. | .. | .. | .. | .. |
| South-Central... | 31 | 120 | 80 | 72 | 1,193 | .. | .. | .. | .. | .. | .. | .. | 1 | .. | .. | .. |
| Western..... | 20 | 179 | 1 | 46 | 464 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Mid-Western.... | 20 | 165 | 91 | 6 | 140 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| South-Eastern... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Northern..... | 34 | 230 | 114 | 52 | 900 | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| South-Western... | .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | 5 | 1 | 3 | .. | .. | .. |
| Ranger School... | 7 | 25 | 14 | 1 | 918 | 4 | 19 | 4 | 5 | .. | 3 | 1 | 2 | .. | .. | .. |
| Air Service..... | .. | .. | .. | 155 | 182 | .. | 10 | 6 | 27 | 4 | 1 | 5 | 2 | .. | .. | .. |
| Head Office..... | 14 | .. | 4 | 277 | 115 | 56 | 28 | 33 | 33 | 1 | 59 | 10 | 6 | .. | .. | .. |
| TOTAL..... | 1,225 | 8,237 | 3,664 | 2,433 | 1,750 | 31,946 | 661 | 930 | 538 | 807 | 9 | 945 | 277 | 194 | 41 | 18 |
| | | | | | | | | | | | | | | | | 14 |

AIR SERVICE SUMMARY, Hours Flown in years ending March 31st

| Year | Fire Ranging | Timber Mngt. | F&W Mngt. | Lands Parks | Re-search | Sur-veys | Photo | Comm. Flying | Mercy Flights Hrs. | No. | Total Flying Hours | Passengers Carried | Per-sonnel Carried | Effective Load (tons) |
|-----------|--------------|--------------|-----------|-------------|-----------|----------|-------|--------------|--------------------|-------|--------------------|--------------------|--------------------|-----------------------|
| 1924-1949 | 88,732 | ... | 2,985 | ... | 1,442 | ... | 1,415 | ... | 361 | .. | 175,290 | 165,583 | 89,206 | 22,234 |
| 1950 | 6,926 | 604 | 1,644 | ... | ... | ... | ... | 279 | ... | .. | 13,531 | 30,687 | 5,918 | 3,432 |
| 1951 | 4,211 | 938 | 2,029 | ... | 303 | ... | ... | 233 | 64 | .. | 11,057 | 27,140 | 5,140 | 3,367 |
| 1952 | 5,498 | 903 | 2,086 | ... | 360 | ... | 273 | 188 | 168 | .. | 12,800 | 30,439 | 5,410 | 3,164 |
| 1953 | 5,278 | 674 | 1,980 | ... | 266 | 97 | 280 | 150 | 56 | .. | 11,889 | 25,900 | 5,346 | 3,079 |
| 1954 | 6,302 | 982 | 1,972 | ... | 386 | 124 | 187 | 574 | 53 | 35 | 13,564 | 31,109 | 7,245 | 3,918 |
| 1955 | 5,095 | 1,048 | 2,362 | ... | 284 | 181 | 244 | 398 | 35 | 28 | 12,389 | 29,256 | 5,465 | 3,429 |
| 1956 | 11,396 | 835 | 2,333 | ... | 192 | 128 | 130 | 458 | 55 | 17 | 17,785 | 46,478 | 6,723 | 6,091 |
| 1957 | 5,347 | 986 | 2,289 | ... | 199 | 72 | 148 | 384 | 34 | 22 | 11,692 | 28,789 | 5,099 | 3,481 |
| 1958 | 5,652 | 801 | 2,837 | ... | 212 | 23 | 24 | 327 | 44 | 28 | 12,506 | 28,636 | 5,349 | 3,497 |
| 1959 | 4,275 | 876 | 3,615 | ... | 189 | 15 | ... | 421 | 39 | 21 | 12,278 | 27,506 | 5,197 | 4,871 |
| 1960 | 4,053 | 883 | 3,569 | ... | 228 | 11 | ... | 475 | 42 | 20 | 11,984 | 27,600 | 4,926 | 4,198 |
| 1961 | 4,914 | 965 | 3,455 | ... | 200 | 4 | ... | 470 | 72 | 21 | 12,569 | 29,069 | 4,833 | 4,638 |
| TOTAL | 157,678 | 10,496 | 33,157 | 2,544 | 1,183 | 4,261 | 654 | 2,701 | 4,356 | 1,022 | 329,333 | 528,192 | 155,857 | 75,450 |

PILOTS' FLYING TIME

| SURNAME | Initials | 1924-60 | 1960-61 | Total |
|--------------|----------|------------|-----------|------------|
| Allen..... | DW | 2,220:30 | 213:45 | 2,434:15 |
| Ballantyne.. | DE | 1,251:20 | 292:20 | 1,543:40 |
| Beaushene... | GD | 2,688:50 | 355:45 | 3,044:35 |
| Bieck..... | AH | 591:00 | 522:30 | 1,113:30 |
| Burt..... | AE | 7,324:50 | 366:50 | 7,691:40 |
| Calver..... | DH | 2,491:20 | 403:25 | 2,894:45 |
| Campbell.... | GE | 3,832:40 | 501:35 | 4,334:15 |
| Colfer..... | AP | 5,154:20 | 721:35 | 5,875:55 |
| Cooke..... | TC | 5,753:20 | 575:45 | 6,329:05 |
| Cram..... | WW | 654:25 | 258:00 | 912:25 |
| Croft..... | BR | 751:55 | 366:30 | 1,118:25 |
| Croal..... | DM | 643:20 | 359:25 | 1,002:45 |
| Denley..... | JG | 6,851:35 | 313:50 | 7,165:25 |
| Evans..... | FB | 3,770:30 | 311:55 | 4,082:25 |
| Fiskar..... | UW | 3,121:25 | 364:15 | 3,485:40 |
| Glennie..... | NA | 1,773:45 | 396:25 | 2,170:10 |
| Hoar..... | HA | 2,593:40 | 201:40 | 2,795:20 |
| Hoeberg..... | PS | 2,510:05 | 315:20 | 2,825:25 |
| Hugill..... | WA | 1,893:20 | 301:45 | 2,195:05 |
| Kincaid..... | J | 6,629:20 | 452:50 | 7,082:10 |
| Kirk..... | CJ | 4,094:35 | 360:10 | 4,454:45 |
| Lamont..... | JA | 3,122:05 | 281:55 | 3,404:00 |
| LeFeuvre.... | CJ | 8,299:05 | 359:25 | 8,658:30 |
| Lowe..... | B | 1,020:00 | 259:25 | 1,279:25 |
| McDougall... | FA | 4,976:20 | 95:25 | 5,071:45 |
| North..... | DH | 536:35 | 356:25 | 893:00 |
| Parsons..... | R | 6,947:30 | 258:50 | 7,206:20 |
| Ponsford.... | GE | 1,480:55 | 10:10 | 1,491:05 |
| Poulin..... | LD | 7,563:40 | 201:10 | 7,764:50 |
| Reid..... | DM | 3,846:00 | 338:15 | 4,184:15 |
| Siegel..... | J | 4,470:15 | 347:05 | 4,817:20 |
| Speight..... | HC | 6,626:05 | 576:50 | 7,202:55 |
| Smith..... | AB | 6,736:55 | 314:00 | 7,050:55 |
| Taylor..... | JM | 3,395:55 | 66:05 | 3,462:00 |
| Thomas..... | E | 3,024:05 | 333:05 | 3,357:10 |
| Thompson.... | FJ | 2,133:05 | 265:50 | 2,398:55 |
| Trussler.... | GE | 6,974:15 | 287:30 | 7,261:45 |
| Turcotte.... | LG | 699:15 | 261:30 | 960:45 |
| Other Pilots | | 178,316:45 | ..... | 178,316:45 |
| Total Hours | | 316,764:50 | 12,568:30 | 329,333:20 |

AIRCRAFT SERVICE RECORD

| 45 AIRCRAFT | Year Purchased | Effective | FLYING HOURS | |
|--------------------|-------------------|------------------------|--------------|------------|
| | | Load (tons) 1960-61 | 1960-61 | 1924-61 |
| 37 BEAVER | | | | |
| CF-OBS.... | 1948 | 81 | 264:05 | 4,692:10 |
| CF-OBV.... | 1948 | 114 | 230:55 | 3,982:35 |
| CF-OBV.... | 1948 | † | 5:40 | 3,885:55 |
| CF-OBW.... | 1948 | 22 | 87:45 | 3,526:40 |
| CF-OBX.... | 1948 | 74 | 63:05 | 4,083:30 |
| CF-OBZ.... | 1948 | † | 3:00 | 3,638:45 |
| CF-OBZ.... | 1948 | 81 | 318:25 | 4,085:20 |
| CF-OCA.... | 1948 | 91 | 354:55 | 3,634:40 |
| CF-OCB.... | 1948 | 205 | 332:05 | 4,249:40 |
| CF-OCC.... | 1948 | 49 | 196:15 | 3,740:40 |
| CF- OCD.... | 1948 | 55 | 213:10 | 3,468:05 |
| CF-OCE.... | 1949 | 100 | 279:30 | 4,303:45 |
| CF-OCG.... | 1949 | 59 | 256:00 | 3,361:00 |
| CF- OCH.... | 1949 | 109 | 475:50 | 3,662:25 |
| CF-OCJ.... | 1949 | 103 | 343:05 | 3,221:30 |
| CF-OCK.... | 1949 | 124 | 336:15 | 3,719:00 |
| CF- OCL.... | 1949 | 51 | 200:00 | 3,584:30 |
| CF-OCN.... | 1949 | 95 | 309:30 | 4,033:45 |
| CF-OCO.... | 1949 | 160 | 451:30 | 3,866:25 |
| CF- OCP.... | 1949 | 193 | 600:45 | 4,024:05 |
| CF-OCQ.... | 1949 | 117 | 345:00 | 4,196:15 |
| CF- OCS.... | 1949 | 21 | 141:00 | 4,011:05 |
| CF- OCT.... | 1949 | 96 | 349:30 | 3,809:45 |
| CF- OCU.... | 1950 | 113 | 290:10 | 3,633:50 |
| CF-OCV.... | 1950 | 92 | 334:25 | 2,846:05 |
| CF-OCX.... | 1950 | 233 | 501:35 | 3,215:50 |
| CF-OCY.... | 1950 | 82 | 258:30 | 3,038:15 |
| CF-OCZ.... | 1950 | 63 | 136:40 | 2,363:35 |
| CF-ODA.... | 1951 | 10 | 89:15 | 2,930:30 |
| CF- ODB.... | 1951 | 108 | 316:50 | 3,548:05 |
| CF- ODC.... | 1951 | 149 | 573:25 | 4,284:30 |
| CF- ODD.... | 1951 | 5 | 42:45 | 838:15 |
| CF- ODE.... | 1951 | 58 | 455:30 | 2,548:10 |
| CF- ODF.... | 1952 | 83 | 303:10 | 3,189:45 |
| CF- ODG.... | 1952 | 113 | 467:00 | 3,278:50 |
| CF- ODO.... | 1955 | 13 | 106:30 | 605:15 |
| CF- ODS.... | 1956 | 11 | 84:40 | 323:35 |
| 7 OTTER | | | | |
| CF-ODJ.... | 1953 | 237 | 353:55 | 2,121:00 |
| CF- ODK.... | 1953 | 182 | 228:35 | 2,149:30 |
| CF- ODL.... | 1953 | 243 | 287:00 | 2,092:45 |
| CF- ODP.... | 1956 | 178 | 269:40 | 1,217:15 |
| CF- ODQ.... | 1956 | 151 | 293:10 | 1,597:05 |
| CF- ODT.... | 1957 | 354 | 576:50 | 1,815:20 |
| CF- ODU.... | 1960 | 138 | 224:45 | 224:45 |
| WIDGEON | | | | |
| CF- ODR.... | 1956 | 19 | 216:55 | 1,082:40 |
| All Other Aircraft | | | | 190,665:55 |
| TOTAL: | | 4,638 | 12,568:30 | 328,392:15 |

AIR SERVICE BASE OPENING DATES (or First Float Flying)

| BASE | 1933 | 1934 | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | 1941 | 1942 | 1943 |
|-------------------|----------|----------|--------|---------|----------|----------|----------|--------|----------|----------|--------|
| Algonquin Park... | 29 April | 4 May | 1 May | 4 May | 3 May | 6 May | 7 May | 5 May | 21 April | 26 April | 8 May |
| Caribou Lake..... | 27 May | 25 May | 21 May | 24 May | 17 May | 24 May | 15 May | 19 May | 10 May | 5 May | 5 June |
| Biscotasing..... | 15 May | 14 May | 14 May | 14 May | 8 May | 2 May | 12 May | 7 May | 2 May | 27 April | 17 May |
| Fort Frances..... | ..... | 15 May | 3 May | 19 May | 13 May | 11 May | 11 May | 15 May | 2 May | 29 April | 12 May |
| Goose Island..... | 16 May | 20 May | 17 May | 19 May | 25 May | ..... | ..... | ..... | ..... | ..... | ..... |
| Ignace..... | 3 July | 16 May | 15 May | 19 May | 17 May | 14 May | 12 May | 18 May | 1 May | 29 April | 18 May |
| Kenora..... | 10 May | 11 May | 10 May | 18 May | 15 May | 12 May | 9 May | 15 May | 30 April | 29 April | 12 May |
| Oba Lake..... | 16 May | 19 May | 20 May | 24 May | 7 May | 9 May | 16 May | 22 May | 13 May | 1 May | 18 May |
| Orient Bay..... | 10 June | 26 May | 23 May | 24 May | 10 May | 14 May | 19 May | 28 May | 12 May | 8 July | 28 May |
| Pays Plat..... | ..... | ..... | ..... | ..... | ..... | ..... | 14 May | 9 May | 1 May | 4 May | 11 May |
| Pickle Lake..... | ..... | ..... | ..... | 28 May | 27 May | 18 May | 29 May | 24 May | 14 May | ..... | ..... |
| Port Arthur..... | 6 May | 12 May | 3 May | 15 May | 27 April | 14 May | 12 May | 9 May | 1 May | 29 April | 11 May |
| Red Lake..... | ..... | ..... | ..... | ..... | ..... | 16 May | 13 May | 23 May | 10 May | 4 May | 22 May |
| Remi Lake..... | ..... | 25 May | 23 May | 1 June | 14 May | 16 May | 22 May | 29 May | 17 May | 5 May | 21 May |
| Sault Ste. Marie. | 21 April | 24 April | 2 May | 1 April | ..... | 21 April | 28 April | 2 May | ..... | 24 April | 10 May |
| Sioux Lookout.... | 10 May | 16 May | 16 May | 18 May | 13 May | 5 May | 11 May | 18 May | 1 May | 29 April | 17 May |
| Sudbury..... | 3 May | 8 May | 2 May | 8 May | 4 May | 30 April | 5 May | 4 May | 30 April | 29 April | 7 May |
| Temagami..... | ..... | ..... | ..... | ..... | ..... | 3 May | 13 May | 7 May | 3 May | 29 April | 18 May |
| Twin Lakes..... | 14 May | 26 May | 21 May | 1 June | 18 May | 16 May | 18 May | 23 May | 12 May | 5 May | 19 May |
| Whitefish Lake... | 15 May | 19 May | 16 May | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |

TORONTO: Year Round.

AIR SERVICE BASE OPENING DATES (or First Float Flying) (Continued)

| BASE | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 |
|------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Algonquin Park.. | 3 May | 26 April | 30 April | 8 May | 19 April | 2 April | 17 May | 29 April | 24 April | 21 April | 29 April |
| Carey Lake..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 10 May | 15 May | 18 May |
| Caribou Lake.... | 19 May | 12 May | 23 May | 3 June | 8 May | 9 May | 1 June | 21 May | 7 May | 14 May | 27 May |
| Chapleau..... | ..... | ..... | ..... | ..... | 28 April | 7 May | 16 May | 30 April | 8 May | 8 May | 4 May |
| Biscotasing..... | 7 May | 26 April | 22 April | 17 May | ..... | ..... | 20 May | ..... | ..... | ..... | ..... |
| Eva Lake..... | ..... | ..... | 27 April | 16 May | 8 May | 1 May | 20 May | 10 May | 30 April | 29 April | ..... |
| Fort Frances.... | 15 May | 27 April | 7 May | 20 May | 11 May | 30 April | 24 May | 7 May | 1 May | 4 May | 13 May |
| Geraldton..... | 14 May | ..... | ..... | ..... | 14 May | 4 May | 20 May | 9 May | 5 May | 7 May | 18 May |
| Gogama..... | ..... | ..... | ..... | 14 May | 27 April | 30 April | 8 May | 24 April | 23 April | 29 April | 3 May |
| Ignace..... | 19 May | 12 May | 1 May | 20 May | 10 May | 3 May | 22 May | 9 May | 1 May | 5 May | 18 May |
| Kenogmi..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 10 May | 2 May | 7 May | 9 May |
| Kenora..... | 20 May | 10 May | 14 May | 20 May | 8 May | 3 May | 22 May | 10 May | 1 May | 7 May | 18 May |
| Lauson Lake.... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 18 April | 28 April |
| Oba Lake..... | 17 May | 5 May | 7 May | 27 May | 5 May | 10 May | 8 May | 8 May | 8 May | 10 May | 15 May |
| Orient Bay..... | 23 May | 23 May | 7 May | 12 June | 18 May | 12 May | 23 May | 16 May | 7 May | 8 May | 21 May |
| Parry Sound..... | ..... | ..... | ..... | 6 May | 12 May | 13 April | 27 April | 17 April | 23 April | 30 Mar. | 20 April |
| Pays Plat..... | 5 May | 9 May | 30 April | 14 May | 8 May | 7 May | 18 May | 8 May | 2 May | 6 May | 11 May |
| Pickle Lake..... | ..... | ..... | 26 May | 2 June | 18 May | 9 May | 3 June | 17 May | 7 May | 13 May | 2 June |
| Port Arthur..... | 16 May | 2 May | 30 April | 16 May | 3 May | 30 April | 19 May | 2 May | 22 April | 30 April | 7 May |
| Red Lake..... | 19 May | 10 May | 7 May | 26 May | 13 May | 3 May | 29 May | 15 May | 3 May | 8 May | 21 May |
| Remi Lake..... | 17 May | 3 May | 15 May | 2 June | 10 May | 4 May | 23 May | 3 May | 2 May | 13 May | 19 May |
| Sault Ste. Marie | 27 April | 10 April | 11 April | 30 April | 14 April | 7 April | 27 April | 9 April | 7 April | 27 Mar. | 13 April |
| Sioux Lookout... | 15 May | 10 May | 3 May | 20 May | 12 May | 1 May | 26 May | 12 May | 3 May | 7 May | 20 May |
| South Porcupine. | ..... | ..... | 3 May | 27 May | 1 May | 3 May | 19 May | 30 April | 1 May | 5 May | 5 May |
| Sudbury..... | 8 May | 1 May | 13 April | 14 May | 27 April | 25 April | 12 April | 25 April | 28 April | 20 April | 29 April |
| Temagami..... | 8 May | 20 April | 23 April | 17 May | 27 April | 20 April | 15 May | 1 May | 1 May | 28 April | 4 May |
| Twin Lakes..... | 18 May | 12 May | 22 May | 8 June | 14 May | 12 May | 30 May | 1 May | 16 May | 13 May | 22 May |
| White River..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 11 May | 18 May |

AIR SERVICE BASE OPENING DATES (or First Float Flying) (Continued)

| BASE | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 |
|------------------|----------|----------|----------|------------------------|----------|----------|----------|
| Algonquin Park.. | 21 April | 11 May | 25 April | 23 April | 5 May | 2 May | 4 May |
| Carey Lake..... | 30 April | 27 May | 7 May | 9 May | 12 May | 23 May | 10 May |
| Caribou Lake.... | 1 May | 1 June | 13 May | 15 May | 15 May | 22 May | 24 May |
| Chapleau..... | 22 April | 14 May | 3 May | 24 April | 4 May | 11 May | 4 April |
| Eva Lake..... | 28 April | 16 May | 6 May | (Moved to Nym Lake) |  | ..... | ..... |
| Fort Frances.... | 27 April | 16 May | 29 April | 18 April | 28 April | 4 May | 1 May |
| Geraldton..... | 27 April | 17 May | 7 May | 5 May | 10 May | 18 May | 11 May |
| Gogama..... | 22 April | 14 May | 1 May | 28 April | 6 May | 5 May | 10 May |
| Ignace..... | 28 April | 16 May | 6 May | 2 May | 8 May | 12 May | 11 May |
| Kenogami..... | 26 April | 22 May | 10 May | 4 May | 12 May | 18 May | 13 May |
| Kenora..... | 27 April | 17 May | 6 May | 15 April | 30 April | 12 May | 11 May |
| Lauzon Lake.... | 19 April | 7 May | 29 April | 17 April | 20 April | 2 May | 26 April |
| Nym Lake..... | ..... | ..... | ..... | 2 May | 8 May | 12 May | 12 May |
| Oba Lake..... | 28 April | 16 May | 9 May | 4 May | 11 May | 23 May | 11 May |
| Orient Bay..... | 1 May | 1 June | 13 May | (Moved to Port Arthur) |  | ..... | ..... |
| Parry Sound..... | 18 April | 3 May | 28 April | 21 April | 27 April | 27 April | 26 May |
| Pays plat..... | 4 May | 15 May | 6 May | 2 May | 8 May | 12 May | 10 May |
| Pickie Lake..... | 6 May | 1 June | 13 May | 16 May | 15 May | 20 May | 19 May |
| Port Arthur.... | 22 April | 30 April | 29 April | 30 April | 24 April | 13 May | 29 April |
| Red Lake..... | 28 April | 19 May | 9 May | 2 May | 14 May | 16 May | 19 May |
| Remi Lake..... | 29 April | 21 May | 6 May | 7 May | 12 May | 19 May | 11 May |
| Sault Ste. Marie | 19 April | 3 May | 29 April | 26 March | 8 April | 11 April | 4 April |
| Sioux Lookout.. | 27 April | 19 May | 10 May | 1 May | 14 May | 16 May | 16 May |
| South Porcupine. | 27 April | 15 May | 6 May | 2 May | 8 May | 16 May | 11 May |
| Sudbury..... | 19 April | 9 May | 1 May | 18 April | 1 May | 4 May | 10 May |
| Temagami..... | 26 April | 17 May | 3 May | 2 May | 8 May | 11 May | 17 May |
| Tweed..... | ..... | ..... | 28 April | 18 April | 27 April | 28 April | 25 April |
| Twin Lakes..... | 6 May | 17 June | 10 May | 13 May | 15 May | 25 May | 21 May |
| White River.... | 29 April | 21 May | 10 May | 2 May | 12 May | 20 May | 12 May |

DEPARTMENT RADIO STATIONS

| DISTRICT | STATION | CALL SIGN | NORMAL OPERATING FREQUENCIES | |
|---------------------|---------------------|--------------|---------------------------------|----------------|
| | | | H.F. Kc/s | V.H.F. Mc/s |
| FORT FRANCES | Fort Frances | XLN21 | 4460 | 46.62 |
| | Lac La Croix | XLN22 | " | " |
| | Atikokan | XLQ71 | | " |
| | Rainy River | XLR59 | | " |
| | French Lake | XMN23 | | " |
| | Nym Lake | XLN234 | " | " |
| | Cache Bay | XLN233 | " | " |
| | Prairie Portage | XLN232 | " | " |
| | Cabin 16 | XLN29 | " | " |
| KENORA | Kenora | XLN34 | 4460 | 46.78 |
| | Minaki | XLN32 | " | " |
| | Sioux Narrows | XLN42 | " | " |
| | Dryden | XLN35 | " | " |
| | Nestor Falls | XLN24 | | " |
| | Vermillion Bay | XLS37 | | " |
| | Dymont | XLG96 | | " |
| SIOUX LOOKOUT | Sioux Lookout | XLN37 | 4460 | 46.86 |
| | Red Lake | XLN43 | " | " |
| | Pickle Lake | XLN38 | " | " |
| | Armstrong | XLN40 | " | " |
| | Ear Falls | XMN50 | " | " |
| | Winisk | XLR62 | " | " |
| | Ignace | XLN23 | " | " |
| PORT ARTHUR | Port Arthur | XLN45 | 4580 | 46.70 |
| | Shebandowan | XLN47 | " | " |
| | Black Sturgeon Lake | XLN48 | " | " |
| | Upsala | XLN217 | " | " |
| | Saganaga Lake | XLN218 | " | " |
| | Dorion | XMN78 | | " |
| GERALDTON | Geraldton | XLQ35 | 4580 | 46.78 |
| | Pays Plat | XLN56 | " | " |
| | Marathon | XLN54 | " | " |
| | Killala Lake | XLN55 | " | " |
| | Hillsport | XLQ46 | " | " |
| | Nakina | XLS53 | " | " |
| | Longlac | XLS52 | " | " |
| | Macdiarmid | XLN49 | " | " |
| WHITE RIVER | White River | XLQ78 | 4880 | 46.62 |
| | Franz | XLN62 | " | " |
| | Wawa | XLN63 | " | " |
| | Mo伯特 | XLN61 | " | " |
| | Manitouwadge Lake | XMN25 | " | " |
| SAULT STE. MARIE | Sault Ste. Marie | XLN58 | 4880 | 46.78 |
| | Blind River | XLN65 | " | " |
| | Ranger Lake | XLN261 | " | " |
| | Elliot Lake | XLN264 | " | " |
| | Peshu Lake | XLQ41 | " | " |
| | Sand Lake | XLQ77 | " | " |
| | Pancake Bay | XLR39 | " | " |
| | Kirkwood | XLP44 | | " |
| | Mount Lake | XLR69 | " | " |
| | Camp 4 | XLR70 | " | " |

| | | | | |
|--------------|---------------------|--------|-------|-------|
| GOGAMA | Gogama | XLN78 | 4880 | 46.82 |
| | Elsas | XLN79 | " | " |
| | Foleyet | XLN84 | " | " |
| | Opishing Lake | XMN42 | " | " |
| | Ronda | XLP69 | " | " |
| CHAPLEAU | Chapleau | XLN82 | 4880 | 46.70 |
| | Missanabie | XLR52 | " | " |
| | Sultan | XLQ73 | " | " |
| | Biscotasing | XLN80 | " | " |
| | Unegam Lake | XLN205 | " | " |
| | Racine Lake | XMN77 | " | " |
| SUDBURY | Sudbury | XLN77 | 4880 | 46.86 |
| | Skead | XLQ80 | " | " |
| | Espanola | XLQ44 | " | " |
| | Jamot | XLR30 | " | " |
| | Massey | XLR29 | " | " |
| | Windy Lake | XLR67 | " | " |
| | Southbaymouth | XLS86 | " | " |
| | Sandfield | XLR68 | " | " |
| | Stinson | XLN239 | " | " |
| | Fairbank Lake | XLN39 | " | " |
| | Killarney | XLS85 | " | " |
| KAPUS-KASING | Kapuskasing | XLP78 | 4535 | 46.86 |
| | Hearst | XLN69 | " | " |
| | Hornepayne | XLN73 | " | " |
| | Oba | XLN74 | " | " |
| | Nagogamisis Lake | XLN237 | " | " |
| | Little Long Rapids | XLN240 | " | " |
| | Rogers Township | XLR71 | " | " |
| COCHRANE | Cochrane | XLQ37 | 4535 | 46.78 |
| | Timmins | XLN70 | " | " |
| | Eades | XLN71 | " | " |
| | Wade Lake | XLQ45 | " | " |
| | Moosonee | XMN43 | " | " |
| | Smooth Rock Falls | XLQ76 | " | " |
| | Nellie Lake | XLN208 | " | " |
| | Kettles Park Lake | XLN209 | " | " |
| SWASTIKA | Swastika | XLN68 | 4535 | 46.62 |
| | Elk Lake | XLN72 | " | " |
| | Matheson | XLS54 | " | " |
| | Larder Lake | XLN95 | " | " |
| | Matachewan | XLN60 | " | " |
| | Gowganda | XLQ90 | " | " |
| | Hills Lake | XLQ89 | " | " |
| | Englehart | XLR64 | " | " |
| | Burt Twp. Nursery | XLN212 | " | " |
| NORTH BAY | North Bay | XLN83 | 4520 | 46.78 |
| | Temagami | XLN81 | " | " |
| | Lady Evelyn Lake | XLN42 | " | " |
| | Latchford | XLN252 | " | " |
| | McConnell Lake | XLN246 | " | " |
| | Bear Island | XLN251 | " | " |
| | Haddo | XLP45 | " | " |
| | Devils Lake | XLN253 | " | " |
| | Field | XLN247 | " | " |
| | Samuel de Champlain | ..... | " | " |
| PEMBROKE | Pembroke | XLN92 | 47.75 | 46.86 |
| | Smoke Lake | XLN90 | " | " |
| | Brent | XLN91 | " | " |

| | | | | |
|----------------------------|--------------------|--------|-------|-------|
| PEMBROKE (Cont'd) | Stonecliffe | XLN94 | 47.75 | 46.86 |
| | Whitney | XLQ43 | " | " |
| | Achray | XLQ47 | " | " |
| | Round Lake | XLR40 | " | " |
| | Kiosk | ..... | " | " |
| | Sasajewun Lake | ..... | " | " |
| | Swan Lake | ..... | " | " |
| PARRY SOUND | Parry Sound | XLN89 | 4520 | 46.62 |
| | Loring | XLN93 | | " |
| | Powassan | XMN35 | | " |
| | Byng Inlet | XLS24 | | " |
| | Ardbeg | XMN33 | | " |
| | Dorset | XMN34 | | " |
| | Bracebridge | XMN75 | | " |
| TWEED | Tweed | XLQ69 | 4775 | 46.70 |
| | Bancroft | XLQ50 | " | " |
| | Palmer Rapids | XLR41 | " | " |
| | Dacre | XLS23 | " | " |
| | Plevna | XLN53 | " | " |
| | Gilmour | XMN40 | | " |
| | White Lake | XLP75 | | " |
| | Napanee | XLQ31 | | " |
| | Green Lake | XLR61 | " | " |
| LINDSAY | Lindsay | XLR57 | 4775 | 46.78 |
| | Minden | XLQ70 | " | " |
| | Gooderham | XMN27 | " | " |
| | Orono | XMN29 | | " |
| | Haliburton | XLR43 | " | " |
| | Presqu'ille Park | XLN46 | | " |
| | Apsley | XMN44 | " | " |
| | Ranger School | XLN25 | " | " |
| KEMPTVILLE | Kemptville | XMN41 | 4775 | 46.62 |
| | La Rose | XMN51 | | " |
| | Westport | ..... |  | " |
| LAKE ERIE | Aylmer | XL052 | 4775 | |
| | Holiday Beach Park | XLN267 | " | |
| | Wheatley | XLN268 | " | |
| | St. Williams | XMN28 | " | |
| | Rondeau Park | XLR60 | " | |
| | Pinery Park | XLP90 | " | |
| LAKE SIMCOE | Coldwater | XMN36 | | 46.82 |
| | Severn Falls | XMN37 | | " |
| | Honey Harbour | XMN39 | | " |
| | Six Mile Lake | XLR85 | | " |
| | Angus | ..... |  | " |
| HEAD OFFICE* Toronto | Island Airport | XL053 | 4775 | |
| | Maple Laboratory | XLN20 | " | |
| | Maple | XLP22 | 4520 | 46.62 |
| | | | 4535 | 46.70 |
| | | | 4775 | 46.74 |
| | | | 4880 | 46.78 |
| | | | 5410 | 46.82 |
| | | | 5499 | 46.86 |
| | | | 9160 | |

* Maple frequently uses 5410 and 9160 Kc/s. to reach District Office stations; answers aircraft on their own frequency.

NEW POLICIES

CORRECTIONS

LANDS AND SURVEYS BRANCH

SURVEYOR-GENERALS OR DIRECTORS OF SURVEYS

| | | |
|--------------------------|-----------|--------------------------------------|
| Samuel Holland | | |
| Northern District of | | |
| North America..... | 1764-1801 | Surveyor-General |
| Sir D.W. Smith..... | 1801-1805 | Surveyor-General |
| C.B. Wyatt..... | 1806- | Surveyor-General |
| Thomas Ridout..... | 1807-1829 | Surveyor-General |
| Hon. S.P. Hurd..... | 1832-1835 | Surveyor-General |
| J. Macaulay..... | 1836-1838 | Surveyor-General |
| Hon. R.B. Sullivan..... | 1838-1840 | Surveyor-General |
| Thos. Parke..... | 1841-1845 | Surveyor-General |
| * G. B. Kirkpatrick..... | 1880-1917 | Director of Surveys |
| * L. V. Rorke..... | 1918-1928 | Director of Surveys |
| † L. V. Rorke..... | 1928-1936 | Deputy Minister/ Surveyor-General |
| ‡ C. H. Fullerton..... | 1936-1946 | Surveyor-General |
| F. W. Beatty..... | 1946- | Surveyor-General |

* Office of Surveyor-General abolished 17th March, 1845, by Provincial Statute 8 Vic., Chapter XI, Sec. 1, which consolidated the Department and office under the Commissioner of Crown Lands.

† Office of Surveyor-General re-established by Provincial Statute 18 Geo. V., Chap. 9, 1928, as Deputy Minister to be known as Surveyor-General, under Public Lands Act.

‡ Act of 1928 amended in 1942 by Statute Law Amendment Act and office of Surveyor-General re-established, under Public Lands Act.

Lands and Surveys were established as separate Divisions in the re-organization of the Department in 1941. Surveys was re-formed as Surveys and Engineering in 1944. The two were united in 1957 as Division of Surveys with two Branches, Lands and Surveys. In 1959, the Branches became Sections in Lands and Surveys Branch. F.W. Beatty was appointed Surveyor-General on May 1st, 1946.

LANDS AND SURVEYS BRANCH

Chief: F. W. BEATTY

LANDS SECTION

Supervisor: R.G. Code

Summer Resort Lands, Water Lots
Agricultural Lands, Townsites
Residential Lands, Land Rentals
Patents, Miscellaneous Sales

SURVEYS SECTION

Supervisor: W.F. Weaver

Surveys of Crown Land, Statistics
Survey Records, Draughting
Cartography - Map Compilation
Field Staff, Clerical Staff
Equipment

SPECIAL STAFF

Land Use Planning
Provincial Boundaries
Geographic Names
Special Assignments
Accounts
Engineers - Buildings, Dams, Hatcheries,
Roads
Department Consultants

SURVEYS SECTION

By Order-in-Council dated November 18th, 1791, Quebec was divided into the Provinces of Lower Canada and Upper Canada. The latter included all territory to the west and south of a described line (which is the present eastern boundary of Ontario) to the utmost extent of the country called Canada. Townships were surveyed as described in the following periods:-

| | | |
|-----------|---|--|
| 1783-1818 | - | single front |
| 1787-1813 | - | front and rear |
| 1818-1829 | - | double front |
| 1829-1851 | - | 2,400-acre block |
| 1835-1906 | - | 1,000-acre block |
| 1859 | - | Townships 6 miles square - no road allowances - Townships divided into 36 sections. |
| 1872 | - | Townships 6 miles square - no road allowances - 6 concessions and 12 lots. |
| 1876 | - | Townships - similar manner to Dominion Land Survey system - 36 sections with 1-1/2 chain road allowances around each section. |
| 1906 | - | 1,800-acre blocks. |

Since the first township was surveyed in 1783, more than 1,100 townships have been surveyed and divided into lots and concessions. In addition, the boundaries of 1,300 unsubdivided townships have been surveyed.

The eastern boundary of Ontario was surveyed from Lake Timiskaming north to mile 42 in 1874; to mile 88 in 1905; to mile 140 in 1906; to mile 208 in 1907 and to James Bay in 1931.

The western boundary was surveyed from the Lake of the Woods to the Winnipeg River - 1897-98; to the 12th Base Line, D.L.S. System, 1921-22; to the most easterly point of Island Lake - 1929-30; to the Echoing River in 1937 and to Hudson Bay, 1947-48. Erection of permanent monuments, chaining, etc., from Island Lake to Hudson Bay was carried out in 1950.

The many requests for summer resort camp sites have necessitated retrace-ment surveys where the original surveys have been obliterated, particularly in Muskoka, Parry Sound and Haliburton areas. The present general policy is to sell land in accordance with registered Plans of Subdivision.

In 1922, the Department began the sketching and mapping of forested areas from oblique aerial photographs. Since 1926, vertical photographs have been used. In 1954, an Otter aircraft was purchased for aerial photography. Aerial photographs of 284,906 square miles had been taken by our staff members by March 31st, 1958, when aerial photographs and mosaics were taken over by Silviculture Section of Timber Branch.

Under The Beds of Navigable Waters Act, 1911, and The Water Powers Regulations Act, 1916, leases have been granted for development of power plants with a total installed capacity of 4,380,490 horsepower. The installed capacity of plants not under lease from the Province (including Niagara plants) is 2,900,000 horsepower.

Under the Lakes and Rivers Improvement Act, plans of all dams on rivers and streams must be submitted to the Department for approval before construction. The Department controls the regulation of the discharge of water through any dam on navigable waters under the jurisdiction of the Province. It regulates the discharge of water from lakes where dams have been rebuilt by the Department of Public Works for conservation purposes.

LANDS SECTION

The Lands Branch of the Provincial Administration came into being in 1827 with the establishment of the Department of Crown Lands under the Hon. Peter Robinson. Before that date, lands were administered under proclamations and legislative enactments.

In the early days of settlement, timber was of little value and settlers burned the forests to bring land into cultivation.

Early lands administrators were confronted by many problems arising from the influx of U.E. Loyalists and later immigrants, Clergy Reserves and the manipulations of land companies formed for colonization. Some of these problems were recited in the first printed annual report in 1857. The annual report for 1867 states:

"Previous to Confederation, separate accounts were not kept of the Woods and Forests revenue."

Effective March 29th, 1961, the sections of The Public Lands Act dealing with agricultural land disposition were repealed. Under the same Amendment Act, provision was made for the establishment of the Public Agricultural Lands Committee.

PINE TREE RESERVATIONS

The Act of 1868 (31 Victoria, Chap. 8) reserved pine trees on land located as free grants but passed the pine trees to the grantee with the land when the patent was issued.

Effective March 5th, 1880, under 43 Victoria, Chap. 4, pine trees were reserved in locations subject to restricted cutting permitted by locatees but, when the patent was issued, all pine trees were reserved to the Crown.

The reservation of pine trees continued until 1937 except under the 1913 Amendment of The Public Lands Act. This provided that where the land was not in timber licence and where the locatee was in residence and making improvements, he could request that pine trees be included in the patents; or, if the patent had been issued previously, he could request a pine patent.

(The Rainy River Homesteads Act, 1897, reserved all pine trees in the location but passed all pine trees remaining at the date of patent with the patent. This provision is incorporated in The Public Lands Act of 1913).

The Free Grant and Homesteads Act of 1908 provided for the opening of land (with the approval of the Lieutenant-Governor in Council) not previously opened and not withdrawn from settlement. All patents of this land included the pine trees provided the land was not under timber licence.

DISPOSITION OF LAND BY PATENT — DOCUMENTS

in years ending March 31st (October 31st up to 1934)

| Year | Free Grant | Agri- cultural | Summer Resort | Town, City Townplot | Total |
|------|---------------|-------------------|------------------|------------------------|-------|
| 1921 | 500 | 307 | 30 | 30 | 867 |
| 1922 | 460 | 328 | 12 | 50 | 850 |
| 1923 | 411 | 471 | 18 | 51 | 951 |
| 1924 | 357 | 399 | 22 | 73 | 851 |
| 1925 | 367 | 329 | 45 | 115 | 856 |
| 1926 | 367 | 392 | 24 | 102 | 885 |
| 1927 | 251 | 336 | 12 | 110 | 609 |
| 1928 | 255 | 252 | 26 | 99 | 632 |
| 1929 | 220 | 318 | 15 | 79 | 632 |
| 1930 | 245 | 460 | 122 | 74 | 901 |
| 1931 | 205 | 437 | 126 | 72 | 840 |
| 1932 | 151 | 357 | 129 | 70 | 707 |
| 1933 | 88 | 188 | 122 | 70 | 495 |
| 1934 | 154 | 173 | 112 | 69 | 528 |
| 1935 | 46 | 58 | 44 | 21 | 177 |
| 1936 | 162 | 187 | 101 | 68 | 530 |
| 1937 | 111 | 104 | 149 | 53 | 433 |
| 1938 | 165 | 213 | 165 | 53 | 603 |
| 1939 | 130 | 178 | 129 | 122 | 590 |
| 1940 | 151 | 148 | 106 | 106 | 527 |
| 1941 | 154 | 172 | 126 | 86 | 552 |
| 1942 | 131 | 137 | 98 | 85 | 474 |
| 1943 | 181 | 161 | 127 | 50 | 541 |
| 1944 | 218 | 359 | 231 | 76 | 954 |
| 1945 | 226 | 315 | 206 | 108 | 929 |
| 1946 | 216 | 321 | 277 | 130 | 1,049 |
| 1947 | 168 | 433 | 496 | 249 | 1,491 |
| 1949 | 107 | 225 | 756 | 146 | 1,421 |
| 1950 | 196 | 316 | 1,046 | 182 | 1,927 |
| 1951 | 150 | 256 | 1,125 | 143 | 1,849 |
| 1952 | 165 | 242 | 1,294 | 90 | 1,948 |
| 1953 | 120 | 256 | 1,263 | 126 | 1,935 |
| 1954 | 136 | 256 | 1,312 | 99 | 1,957 |
| 1955 | 87 | 188 | 1,479 | 70 | 1,987 |
| 1956 | 59 | 118 | 1,384 | 85 | 1,778 |
| 1957 | 40 | 126 | 1,164 | 7 | 1,469 |
| 1958 | 13 | 150 | 962 | 69 | 1,346 |
| 1959 | 36 | 118 | 1,220 | 104 | 1,587 |
| 1960 | 44 | 109 | 1,946 | 102 | 2,368 |
| 1961 | 29 | 108 | 1,841 | 94 | 2,231 |

DISPOSITION OF LAND BY PATENT — ACREAGE

in years ending March 31st (October 31st up to 1934)

| Year | Free Grant | Agri-cultural | Summer Resort | City, Town Townplot | Total |
|------|------------|---------------|---------------|---------------------|---------|
| 1921 | 60,181 | 31,391 | 155 | 49 | 91,776 |
| 1922 | 64,813 | 43,120 | 70 | 90 | 108,093 |
| 1923 | 54,350 | 56,953 | 55 | 45 | 111,403 |
| 1924 | 52,423 | 49,471 | 72 | 25 | 101,991 |
| 1925 | 49,228 | 41,777 | 101 | 31 | 91,137 |
| 1926 | 47,115 | 47,493 | 58 | 35 | 94,701 |
| 1927 | 33,882 | 42,326 | 31 | 37 | 76,276 |
| 1928 | 35,903 | 31,069 | 55 | 127 | 67,154 |
| 1929 | 30,185 | 41,035 | 31 | 34 | 71,285 |
| 1930 | 33,243 | 51,059 | 400 | 112 | 84,814 |
| 1931 | 27,310 | 49,310 | 526 | 135 | 77,281 |
| 1932 | 19,334 | 40,276 | 360 | 81 | 60,051 |
| 1933 | 12,053 | 22,087 | 378 | 612 | 36,439 |
| 1934 | 19,662 | 22,749 | 366 | 18 | 42,837 |
| 1935 | 5,707 | 7,329 | 128 | 10 | 13,282 |
| 1936 | 21,340 | 22,999 | 349 | 43 | 44,777 |
| 1937 | 14,658 | 12,331 | 423 | 24 | 27,523 |
| 1938 | 20,490 | 27,266 | 402 | 122 | 48,418 |
| 1939 | 17,569 | 20,575 | 523 | 130 | 40,817 |
| 1940 | 18,206 | 17,236 | 522 | 126 | 36,279 |
| 1941 | 16,064 | 20,154 | 469 | 20 | 36,849 |
| 1942 | 14,973 | 15,798 | 361 | 31 | 33,308 |
| 1943 | 20,387 | 18,615 | 422 | 18 | 41,430 |
| 1944 | 28,611 | 43,846 | 660 | 32 | 76,920 |
| 1945 | 29,266 | 36,308 | 1,526 | 50 | 70,993 |
| 1946 | 26,068 | 36,683 | 781 | 130 | 74,158 |
| 1947 | 21,669 | 52,190 | 1,765 | 175 | 89,072 |
| 1949 | 14,360 | 26,435 | 1,985 | 67 | 55,979 |
| 1950 | 24,287 | 35,484 | 2,616 | 112 | 118,960 |
| 1951 | 19,826 | 28,105 | 2,205 | 94 | 55,702 |
| 1952 | 21,412 | 26,474 | 3,364 | 38 | 58,606 |
| 1953 | 16,131 | 29,319 | 2,287 | 69 | 54,738 |
| 1954 | 17,713 | 29,124 | 2,169 | 63 | 55,237 |
| 1955 | 11,300 | 21,266 | 2,438 | 27 | 40,020 |
| 1956 | 7,502 | 12,206 | 1,588 | 1,613 | 29,183 |
| 1957 | 5,259 | 14,883 | 1,411 | 830 | 27,558 |
| 1958 | 1,847 | 15,472 | 1,350 | 323 | 24,612 |
| 1959 | 4,658 | 12,206 | 1,588 | 52 | 21,060 |
| 1960 | 5,910 | 11,380 | 2,011 | 295 | 29,970 |
| 1961 | 3,701 | 11,633 | 1,933 | 182 | 22,388 |

LANDS ACQUIRED BY CROWN (Acres)

| Year | Provincial Tax Forfeitures | Parks | Purchased Or Otherwise Acquired | Total |
|------|----------------------------------|-------|---------------------------------------|--------|
| 1959 | 19,525 | 3,134 | 2,563 | 25,222 |
| 1960 | 9,997 | ..... | 2,055 | 12,052 |

SUMMER RESORT LANDS In years ending March 31st.

| Year | Sales | Acres | Cancellations | Acres | Assignments | Acres | Patents | Acres | Surveys |
|------|-------|-------|---------------|-------|-------------|-------|---------|-------|---------|
| 1944 | 344 | 948 | 10 | 25 | 3 | 5 | 231 | 659 | ... |
| 1945 | 459 | 1,180 | 11 | 20 | 9 | 15 | 206 | 1,525 | 330 |
| 1946 | 535 | 1,411 | 11 | 35 | 14 | 32 | 277 | 781 | 358 |
| 1947 | 666 | 1,841 | 6 | 6 | 37 | 186 | 496 | 1,764 | 388 |
| 1948 | 700 | 1,700 | 26 | 69 | 34 | 139 | 446 | 1,153 | 692 |
| 1949 | 1,010 | 2,336 | 45 | 218 | 40 | 107 | 756 | 1,984 | 1,199 |
| 1950 | 1,202 | 2,512 | 77 | 610 | 38 | 95 | 1,046 | 2,613 | 1,435 |
| 1951 | 1,360 | 2,484 | 62 | 112 | 50 | 94 | 1,125 | 2,294 | 1,737 |
| 1952 | 1,601 | 2,769 | 75 | 148 | 35 | 319 | 1,294 | 3,363 | 1,800 |
| 1953 | 1,290 | 2,278 | 73 | 183 | 40 | 127 | 1,263 | 2,287 | 1,458 |
| 1954 | 1,435 | 2,133 | 76 | 447 | 37 | 72 | 1,312 | 2,168 | 1,752 |
| 1955 | 1,278 | 1,871 | 84 | 166 | 28 | 42 | 1,479 | 2,438 | 1,670 |
| 1956 | 1,176 | 1,614 | 108 | 183 | 12 | 17 | 1,384 | 2,089 | 1,269 |
| 1957 | 714 | 958 | 61 | 124 | 17 | 17 | 1,164 | 1,411 | 1,207 |
| 1958 | 1,344 | 1,678 | 36 | 53 | 13 | 15 | 962 | 1,350 | 2,083 |
| 1959 | 2,155 | 2,517 | 27 | 28 | 19 | 23 | 1,220 | 1,588 | 2,660 |
| 1960 | 2,418 | 2,345 | 33 | 49 | 29 | 25 | 1,946 | 2,010 | 2,307 |
| 1961 | 1,557 | 1,543 | 58 | 72 | 25 | 25 | 1,840 | 1,929 | 2,935 |

AGRICULTURAL LAND SALES in years ending March 31st

| Year | No. of Sales | Acres | No. of Cancellations | Acres | No. of Assignments | Acres | No. of Patents | Acres |
|------|-----------------|--------|-------------------------|--------|-----------------------|--------|-------------------|--------|
| 1944 | 325 | 31,934 | 445 | 39,615 | 177 | 20,124 | 359 | 43,845 |
| 1945 | 269 | 27,158 | 562 | 49,651 | 152 | 16,002 | 315 | 36,307 |
| 1946 | 281 | 26,535 | 438 | 42,933 | 162 | 17,464 | 321 | 36,683 |
| 1947 | 303 | 29,757 | 338 | 29,470 | 222 | 22,801 | 433 | 52,189 |
| 1948 | 280 | 29,506 | 402 | 37,069 | 185 | 21,667 | 299 | 32,929 |
| 1949 | 277 | 28,740 | 378 | 35,095 | 105 | 12,392 | 225 | 26,435 |
| 1950 | 267 | 26,671 | 327 | 32,452 | 113 | 12,145 | 316 | 35,483 |
| 1951 | 195 | 19,228 | 221 | 22,134 | 69 | 7,673 | 256 | 28,104 |
| 1952 | 223 | 24,420 | 143 | 13,358 | 71 | 7,313 | 242 | 26,474 |
| 1953 | 186 | 21,965 | 221 | 21,645 | 70 | 7,560 | 256 | 29,319 |
| 1954 | 144 | 14,534 | 131 | 13,049 | 50 | 4,484 | 256 | 29,123 |
| 1955 | 158 | 15,232 | 161 | 17,377 | 92 | 4,131 | 188 | 21,265 |
| 1956 | 117 | 12,230 | 184 | 18,513 | 26 | 3,008 | 148 | 17,892 |
| 1957 | 82 | 8,683 | 191 | 19,038 | 15 | 1,461 | 126 | 14,882 |
| 1958 | 101 | 10,543 | 174 | 17,087 | 7 | 807 | 150 | 15,471 |
| 1959 | 101 | 10,607 | 141 | 13,788 | 12 | 1,227 | 110 | 11,644 |
| 1960 | 68 | 6,758 | 59 | 5,788 | 3 | 211 | 105 | 10,980 |
| 1961 | 35 | 3,808 | 94 | 9,133 | 15 | 1,531 | 108 | 11,633 |

FREE GRANT LAND in years ending March 31st

| Year | Locations | Acres | Cancellations | Acres | Assignments | Acres | Patents | Acres Patented |
|------|-----------|-------|---------------|--------|-------------|--------|---------|----------------|
| 1944 | 20 | 2,694 | 528 | 64,783 | 89 | 11,310 | 218 | 28,610 |
| 1945 | 21 | 2,308 | 678 | 83,655 | 116 | 14,441 | 226 | 29,266 |
| 1946 | 49 | 5,737 | 545 | 61,459 | 120 | 14,214 | 216 | 26,068 |
| 1947 | 73 | 8,243 | 449 | 51,906 | 122 | 15,523 | 168 | 21,668 |
| 1948 | 67 | 8,649 | 403 | 48,578 | 64 | 8,415 | 164 | 22,119 |
| 1949 | 49 | 5,872 | 280 | 30,536 | 54 | 7,085 | 107 | 14,360 |
| 1950 | 48 | 6,192 | 336 | 40,732 | 62 | 7,200 | 196 | 24,287 |
| 1951 | 28 | 3,608 | 289 | 35,371 | 56 | 7,747 | 150 | 19,826 |
| 1952 | 27 | 3,411 | 159 | 19,785 | 37 | 5,060 | 165 | 21,411 |
| 1953 | 36 | 4,655 | 181 | 21,874 | 25 | 3,452 | 120 | 16,131 |
| 1954 | 24 | 2,757 | 250 | 30,784 | 19 | 2,618 | 136 | 17,713 |
| 1955 | 17 | 1,823 | 209 | 25,755 | 7 | 1,005 | 87 | 11,219 |
| 1956 | 20 | 2,708 | 114 | 12,661 | 4 | 517 | 59 | 7,501 |
| 1957 | 8 | 878 | 78 | 8,727 | 1 | 151 | 47 | 6,089 |
| 1958 | 6 | 796 | 60 | 6,950 | 1 | 156 | 48 | 6,483 |
| 1959 | 4 | 462 | 43 | 4,689 | 1 | 160 | 36 | 4,658 |
| 1960 | 4 | 386 | 48 | 4,597 | 1 | 50 | 44 | 5,911 |
| 1961 | .. | ..... | 89 | 9,799 | 2 | 156 | 29 | 3,701 |

LAND USE PERMITS in years ending March 31st

| Year | Hunt Camp | Trappers Cabin | Residence and Garden | Agriculture | Marsh Hay | Mill Site | Sugar Bush | Boat House | Misc. | Dept. Houses | Total No. | Total Acres |
|------|--------------|-------------------|----------------------------|-------------|--------------|--------------|---------------|---------------|-------|-----------------|--------------|----------------|
| 1944 | 157 | 8 | 429 | 68 | 76 | 105 | 9 | 27 | 88 | .... | 967 | .... |
| 1945 | 254 | 30 | 392 | 114 | 63 | 137 | .. | 31 | 131 | 89 | 1,241 | 16,466 |
| 1946 | 321 | 31 | 398 | 138 | 95 | 156 | .. | 44 | 251 | 236 | 1,670 | 17,207 |
| 1947 | 391 | 25 | 570 | 201 | 38 | 172 | 10 | 56 | 95 | 330 | 1,888 | 18,955 |
| 1948 | 464 | 47 | 489 | 233 | 15 | 197 | 2 | 80 | 307 | 377 | 2,211 | .... |
| 1949 | 543 | 33 | 446 | 129 | 57 | 170 | 2 | 77 | 370 | 501 | 2,583 | 22,458 |
| 1950 | 786 | 18 | 386 | 122 | 67 | 175 | 4 | 42 | 265 | 1,262 | 3,270 | 15,846 |
| 1951 | 796 | 32 | 261 | 66 | 56 | 231 | 6 | 79 | 599 | 1,617 | 3,891 | 19,035 |
| 1952 | 866 | 13 | 259 | 47 | 34 | 239 | .. | 76 | 643 | 1,758 | .... | .... |
| 1953 | 957 | ... | 299 | 34 | 24 | 187 | 1 | 69 | 400 | 1,671 | 3,809 | 16,031 |
| 1954 | 1,064 | 4 | 224 | 35 | 19 | 169 | .. | 41 | 563 | 1,964 | 4,274 | 21,201 |
| 1955 | 1,220 | 29 | 246 | 34 | 10 | 180 | 9 | 102 | 683 | 2,046 | 4,559 | 18,128 |
| 1956 | 1,234 | 200 | 435 | 130 | 29 | 216 | 5 | 216 | 453 | 2,543 | 2,918 | 30,321 |
| 1957 | 1,248 | 328 | 459 | 84 | 36 | 215 | 5 | 237 | 537 | 2,613 | 3,059 | 29,669 |
| 1958 | 1,352 | 218 | 514 | 79 | 37 | 184 | 1 | 252 | 509 | 2,858 | 3,146 | 34,471 |
| 1959 | 1,190 | 279 | 514 | 89 | 31 | 214 | 3 | 368 | 365 | 3,121 | 3,053 | 36,742 |
| 1960 | 1,689 | 226 | 503 | 65 | 45 | 149 | 3 | 344 | 416 | 3,107 | 3,440 | 36,625 |
| 1961 | 1,875 | 201 | 328 | 48 | 22 | 188 | 7 | 255 | 548 | 3,181 | 3,472 | 29,899 |

Variations are, for the most part, due to cancellations or issue of patents. Totals do not include department houses.

SALE OF LITHOGRAPHED MAPS in years ending March 31st

| Year | 20, 20A* | District | Island | Township 28, 42A* | Electoral 33A | Misc. | Provincial Total | National* Topographic | Grand Total |
|------|----------|----------|--------|----------------------|------------------|--------|---------------------|--------------------------|----------------|
| 1947 | 3,650 | 7,378 | 600 | 1,772 | 141 | 3,103 | 16,644 | 10,535 | 27,179 |
| 1948 | 1,975 | 7,373 | 168 | 506 | 25 | 1,100 | 11,147 | 11,215 | 22,362 |
| 1949 | 4,800 | 8,169 | 357 | 1,004 | 169 | 2,030 | 16,529 | 15,241 | 31,770 |
| 1950 | 1,896 | 7,560 | 1,255 | 510 | 152 | 5,062 | 16,435 | 17,013 | 33,448 |
| 1951 | 2,814 | 6,730 | 650 | 370 | 61 | 3,433 | 14,058 | 21,435 | 35,493 |
| 1952 | 2,096 | 9,426 | 932 | 285 | 311 | 3,292 | 16,342 | 24,139 | 40,481 |
| 1953 | 1,990 | 8,156 | 791 | 330 | 207 | 4,150 | 15,624 | 30,310 | 45,934 |
| 1954 | 2,734 | 9,254 | 593 | 216 | 64 | 5,167 | 18,028 | 34,459 | 52,487 |
| 1955 | 3,045 | 12,137 | 607 | 459 | 250 | 8,766 | 25,264 | 48,283 | 73,547 |
| 1956 | 2,113 | 10,475 | 882 | 576 | 839 | 1,254 | 16,139 | 48,604 | 64,743 |
| 1957 | 2,212 | 11,687 | 671 | 398 | 190 | 12,776 | 27,934 | 50,013 | 77,947 |
| 1958 | 1,831 | 12,592 | 345 | 491 | 126 | 1,890 | 17,275 | 62,048 | 79,323 |
| 1959 | 2,435 | 9,071 | 462 | 448 | 259 | 10,400 | 23,075 | 68,787 | 91,862 |
| 1960 | 1,285 | 9,728 | 345 | 829 | 320 | 8,369 | 20,876 | 68,891 | 89,767 |
| 1961 | 1,333 | 6,906 | 219 | 530 | 142 | 7,686 | 16,816 | 63,104 | 79,920 |

* National Topographic, except those for official use, are for resale. Includes Dominion and Provincial N.T.S. sheets.

Map 20A (free issue) replaced by Map 20 in 1958. Map 42A replaced by Map 28 in 1959.

WILDERNESS AREAS

The following have been declared wilderness areas under the Wilderness Areas Act of 1959 for the reasons stated.

1. **MASSACRE ISLAND** -- 70 acres in Lake of the Woods -- This island is of historical interest and the only site in Ontario where pelicans have been recorded as breeding. It also has a breeding colony of cormorants. It was on Massacre Island that Lieut. Jean Baptiste La Verandrye (son of the explorer, Pierre Gauthier De La Verandrye) , Father Aulneau (Jesuit missionary) and 19 other men were slain by marauding Indians in 1736.

2. **JONES ROAD** -- 640 acres, north of Jackman Township, District of Kenora -- Of scientific and scenic value, this area is reserved for silvicultural research. It contains a red pine stand which is more than 300 years old.

3. **WHITE OTTER LAKE** -- 41 acres in District of Kenora -- Here is a log castle, perhaps unique, built by a Scottish trapper for a bride who never appeared. It also has a typical forest ranger log cabin.

5. **SIOUX MOUNTAIN** -- 28.4 acres in Drayton Township, District of Kenora -- This high, rocky hill, rising approximately 300 feet above the water opposite Sioux Lookout, is said to be the lookout where watch was kept for marauding bands of Sioux Indians -- hence, the name of the town.

6. **ECHO TOWNSHIP** -- 492 acres in Echo Township, District of Kenora -- Here is a stand of red pine which is scarce in Sioux Lookout District. It is set aside for silvicultural research, seed production and educational purposes.

7. **OUTER BARN ISLAND** -- 161 acres in District of Thunder Bay -- An isolated crag which should be set aside for posterity.

8. **BAT CAVE** -- 177 acres in Dorion Township, District of Thunder Bay -- Very few caves are found in northern Ontario and this particular one is the over-wintering place of a large number of bats. The adjacent area contains two rare plants: the Smooth Cliff Brake, Pellaea glabella, and Dickie's Fragile Fern, Cystopteris dickiana.

9. **SLEEPING GIANT** -- 633 acres in Sibley Township, District of Thunder Bay -- A well known point of interest at the head of the lakes; a geological formation which resembles the recumbent form of a human.

10. **PORPHYRY ISLAND** -- 260 acres in District of Thunder Bay -- This island contains flora which are rare in this area.

12. **SUTTON LAKE GORGE** -- 125 acres in District of Kenora, Patricia Portion -- The only nesting place for the golden eagle in Ontario. Here, Sutton Lake narrows to a width of approximately ten feet between walls of solid rock which rise to a height of four hundred feet above lake level. This rock outcrop is surrounded by muskeg which reaches in all directions for many miles.
13. **CAPE HENRIETTA-MARIA** -- 144,000 acres in District of Kenora, Patricia Portion -- Here are flora and fauna with an Arctic element found nowhere else in Ontario. Arctic mammals, such as the walrus, polar bear and bearded seal, occur here, as well as eleven species of Arctic birds which breed nowhere else in Ontario.
14. **OLD FORT ALBANY** -- 11 acres in District of Cochrane -- This is the site of one of the early Hudson's Bay Company posts, said to be one of the oldest places of residence in Ontario.
15. **ABITIBI NARROWS** -- 9.75 acres in Rand Township, District of Cochrane -- The site of an old Hudson's Bay Company fur trading post and also the site of an old Indian burial ground.
16. **FAIRY POINT** -- 640 acres in Missinaibi Township, District of Sudbury -- The site of an old Indian battle ground; it contains a large number of Indian paintings or pictographs.
17. **WHITEFISH FALLS** -- 266 acres in Missinaibi Township, District of Sudbury -- Reserved for its aesthetic and recreational value.
18. **OLD BRUNSWICK HOUSE** -- 51 acres in Kildare Township, District of Algoma -- The site of a Hudson's Bay Company trading post.
19. **MONTREAL RIVER** -- 108 acres in Township 29, Range XIV, District of Algoma -- Here is a stand of red pine which is valuable as a seed orchard. This is the site of a Lake Superior beach, said to be more than 35,000 years old.
20. **HILTON TOWNSHIP** -- 97 acres in Hilton Township, District of Algoma -- This area is recommended for the demonstration of tree farming methods to members of 4H Clubs.
21. **CRATER LAKES** -- 550 acres in Killarney Township, District of Manitoulin -- A scenic and historic site.
22. **EIGHTEEN MILE ISLAND** -- 482 acres in Mason Township, District of Sudbury -- An area of silvicultural interest for the observation of the undisturbed succession of the existing forest type.
23. **GANLEY HARBOUR** -- 6.5 acres on shore of Lake Superior, District of Thunder Bay -- The site of early stone pits and cairns.

24. **RICHARDSON HARBOUR ISLAND** -- 42 acres in Homer Township, District of Thunder Bay, off the shore of Lake Superior -- The site of early stone pits and cairns.
25. **KISHKEBUS LAKE** -- 332 acres in Barrie Township, Frontenac County -- An area of high aesthetic and recreational value.
27. **MATAWATCHAN** -- 160 acres in Matawatchan Township, Renfrew County -- A stand of hardwood timber reserved for observation of the natural succession in an undisturbed area.
28. **RONDEAU PARK** -- 559.74 acres in Rondeau Provincial Park, Harwich Township, Kent County -- Here are samples of flora and fauna found in few other places in Ontario.
29. **TURKEY POINT** -- 52.85 acres in Charlotteville Township, Norfolk County -- This site contains flora and fauna distinctive of this part of Ontario.
30. **McCRAE LAKE** -- 625 acres in Baxter Township, District of Muskoka -- This area has recreational value and is also the site of biological investigations.
74. **PRESQU'ILE ISLANDS** -- 322 acres in Presqu'ile Provincial Park, Northumberland County -- An important nesting area for ring-billed gulls and common terns which occur on these islands in thousands.
78. **NEW BRUNSWICK HOUSE POST** -- 137 acres in Cromlech Township, District of Algoma -- The site of a Hudson's Bay Company post of historical interest.
82. **PINERY PROVINCIAL PARK FOREST** -- 197 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- This area was selected for its value for outdoor recreation and for scientific interest in its botany and physiography.
83. **PINERY PROVINCIAL PARK SHORE** -- 75 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- Reserved as an example of undisturbed shoreline with fore dune and rear dune area, "blow-out", and all the associated natural vegetation. This area possesses a peculiar, wild solitude. The geomorphology of shore dunes is extremely well shown by natural features which are unique in Ontario public lands.
84. **PINERY PROVINCIAL PARK DUNE FOREST** -- 129.5 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- An area which was repeatedly burned until the Park was acquired in 1955. In evidence are many "blow-outs" (complicating the topography of parallel dunes), "fixed" with vegetation which is a living example of natural forest succession under these conditions. With a light cover of oak and pine, this area has a potential for good nature trails and offers a magnificent view from a point overlooking the Ausable River and its march borders.

85. PINERY PROVINCIAL PARK FLOOD-PLAIN -- 25 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- Selected for scientific interest in botany and physiography and for its value for outdoor recreation.

86. AGATE ISLAND -- 148 acres in District of Thunder Bay -- Reserved to permit its retention in public ownership as a recreational area, particularly as a source of agates which are sought by amateur collectors.

89. TICKELL -- Gull Island in the Bay of Quinte -- This was the first wilderness area selected under the Act. It is restricted to preserve the island in its natural state and to provide a landing place for watercraft.

NEW POLICIES

[illegible]

NEW POLICIES

NEW POLICIES

LAW BRANCH

The Department has retained a solicitor on its staff for many years and, in the re-organization in the year ending March 31st, 1942, the Division of Law was established. The Division was discontinued in 1950 but re-established on March 1st, 1955. It was re-organized as Law Section on December 3rd, 1957, becoming Law Branch on December 1st, 1959.

On October 1st, 1961, the Patents Office of the Lands and Surveys Branch and the staff of that office were transferred to the Law Branch.

G. H. Ferguson was appointed Supervisor on December 1st, 1957.

It is the function of the Law Branch to act in an advisory capacity to the Minister and his deputies on the legal aspects of matters affecting the administration of the Department. It provides legal counsel for, and performs the legal work of, the Department.

As part of this legal work the Patents Office engrosses letters patent, leases and licences of occupation, maintains records and provides information to the public.

The Acts administered by the Department, and their purposes, are as follows:-

THE ALGONQUIN PROVINCIAL PARK EXTENSION ACT, 1960-61-This Act extends the boundaries of Algonquin Provincial Park to include the public lands in the townships of Bruton and Clyde in the Provisional County of Haliburton and provides that hunting may be done in that part of the park.

THE BEDS OF NAVIGABLE WATERS ACT-Establishment of the principle of interpretation of letters patent granting land, that the bed of a navigable water is not granted unless the letters patent contain an express grant.

THE CROWN TIMBER ACT-The Act provides for the granting rights to Crown timber, forest management, examination and licensing of scalers, licensing of mills, and the establishment of Provincial Forests and the sale or lease of land therein.





LAW BRANCH

Supervisor: G. H. FERGUSON

SOLICITORS:

W. R. ANDERSON
D. A. CROSBIE

PATENTS OFFICE

Head Clerk: E. F. EATON

SECRETARY

Stenographic Staff

THE FISH INSPECTION ACT-The Act provides for the regulation and inspection of the sale of fish insofar as the Province has jurisdiction.

THE FOREST FIRES PREVENTION ACT-The Act provides for the prevention and control of forest fires in the parts of Ontario declared to be Fire Districts by regulations made under the Act. It includes such subjects as honorary fire wardens, fire permits, forest travel permits, work permits, and agreements and responsibility in respect to fires.

THE FORESTRY ACT-The Act authorizes the Minister to enter into long-term agreements with landowners for the management of land for multi-purpose forestry. It provides for tree nurseries and the regulation of the sale of nursery stock.

THE GAME AND FISHERIES ACT-The Act provides for the management of the wildlife resources of Ontario and covers matters relating to fish and fisheries within the jurisdiction of the Province.

THE LAKES AND RIVERS IMPROVEMENT ACT-The Act is designed primarily to regulate lakes and rivers for the sale and orderly floating of timber, and to regulate the use of dams and other works to afford to persons having diverse interests a fair and reasonable use of lakes and rivers.

THE PROVINCIAL LAND TAX ACT-The purpose of the Act is to provide for the assessment, levy and collection of taxes and improvements on land in areas without municipal organization.

THE PROVINCIAL PARKS ACT-The Act provides for the establishment, control and management by the Minister of Provincial Parks other than parks under the Niagara Parks Commission or the St. Lawrence Development Commission.

THE PUBLIC LANDS ACT-The Act provides that the Department of Lands and Forests shall be presided over by the Minister of Lands and Forests. It authorizes the appointment of the Deputy Minister, the Surveyor General and the Advisory Committee to the Minister by the Lieutenant Governor in Council. It provides for the management, sale and disposition of public lands.

This Act authorizes the establishment of the Public Agricultural Lands Committee which advises the Minister in respect of sales for agricultural purposes.

THE RAILWAY FIRE CHARGE ACT-The Act provides for the levy and collection of railway fire charge (fire protection) in respect of lands granted as railway lands in areas without municipal organization.

THE SETTLERS' PULPWOOD PROTECTION ACT-The Act provides for the regulation of the sale, and the price, of pulpwood cut from settlers' lands.

THE SPRUCE PULPWOOD EXPORTATION ACT-The Act provides for the exportation (under the authority of an Order-in-Council) of spruce pulpwood from lands granted under special Acts which prohibited such export.

THE SURVEYS ACT-The Act concerns the procedures and techniques governing the making of surveys.

THE TREES ACT-The Act provides for the passing of by-laws by municipalities (subject to the approval of the Minister of Lands and Forests) for the protection of trees and for reforestation. It provides that a landowner (with the consent of an adjoining owner) may plant trees on the common boundary, and that the trees become the common property of the owners.

THE WATER POWERS REGULATION ACT-The Act imposes a duty on every holder of a water power to insure the economical and efficient use of water power used by him. It provides for the appointment of inspectors. This is the Act under which the Minister grants Water Power Lease Agreements.

THE WILDERNESS AREAS ACT-The Act provides for the establishment, management and control of wilderness areas which are set aside for the preservation of the area (as nearly as possible in its natural state) for research and educational activities and similar purposes.

THE WILD RICE HARVESTING ACT-The Act provides that no wild rice shall be harvested on public lands except under the authority of a licence which may be issued to residents only.

THE WOLF AND BEAR BOUNTY ACT-The Act provides for a bounty for the killing of bears and wolves within prescribed areas of Ontario. It also provides for the regulation and control of bears and wolves kept in captivity.

THE WOODMEN'S EMPLOYMENT ACT-The Act provides for the inspection and investigation of the operations of persons cutting Crown timber under the authority of a licence, permit, contract or agreement.

THE WOODMEN'S LIEN FOR WAGES ACT-The Act provides that a person shall have a lien upon logs and timber upon which he has performed labour. It provides for the legal machinery for the collection of wages through this lien.

FEDERAL-PROVINCIAL CO-OPERATIVE AGREEMENTS

1. LAC SEUL WATER DIVERSION - February 28th, 1928

The Province constructed a water dam at the outlet of Lac Seul. Total Cost: \$ 833,919.19.

Under the agreement:

- (1) Three-fifths of cost contributed by Canada,
\$ 500,351.52.

Two-fifths of cost contributed by Ontario,
\$ 333,567.67.

- (2) Canada assumes the total cost of maintenance and operation.
- (3) Canada pays to Ontario 5% on Ontario's capital contribution. As water power is developed (79.37% as of January 1, 1959) this payment is reduced by such percentage.
- (4) As water power is developed, Ontario pays Canada the percentage mentioned in item (3) of two-fifths of the cost of maintenance and operation.

NOTE: Ontario recovers the reduction in interest and the proportion of maintenance and operation costs chargeable by Canada from the H.E.P.C. under existing Water Power Agreements.

2. LAKE OF THE WOODS STORAGE - November 15th, 1922

An agreement establishing a basis for the regulation of the Winnipeg and English Rivers was signed on November 15th, 1922, by Canada, Ontario and Manitoba. The agreement provided for the establishment of a reservoir on Lake of the Woods, the cost of which was to be apportioned to the three governments as follows:

- (1) Canada - 33.3333333 per cent - for navigation.
- (2) Ontario - 11.4871785 per cent - for power head.

- (3) Manitoba - 55.1794882 per cent - for power head.

Ontario was to pay its apportioned share of the cost of storage when the power site at White Dog Falls was completed. The Ontario Hydro-Electric Power Commission completed a generating station at White Dog Falls in 1958 and has paid \$183,961.19, Ontario's share of the cost of storage.

Ontario is also responsible for 11.4871785 per cent of the operating costs at the Lake of the Woods storage and Ontario will recover these costs from The Hydro-Electric Power Commission under the water power lease agreement for White Dog Falls.

**3. USE OF BECKWITH ISLAND FOR GROUSE RESEARCH-
October 7th, 1949**

Permission by letter of Federal Department of Mines and Resources (Indian Affairs Branch) on October 7th, 1949, to use Beckwith Island for grouse research purposes by the Division of Research.

**4. USE OF CERTAIN AREAS IN CAMP BORDEN FOR
RESEARCH IN SILVICULTURE - January 12th, 1951.**

Agreement between Federal Department of National Defence and Ontario Department of Lands and Forests:

- (1) Use and occupy for 21st December, 1950, for observation and experiments on trees, certain areas in Camp Borden;
- (2) Erect boundary posts and housing for instruments;
- (3) Bring water and power into the area;
- (4) Give right of entry to the area and right to use motor vehicles in the area.

5. ESTABLISHMENT, MAINTENANCE & OPERATION OF;

- (1) Forest Insect Laboratory at Sault Ste. Marie;
- (2) Laboratory of Forest Pathology at Maple, September 30th, 1952.

Agreement between Canada (Department of Agriculture) and Ontario (Department of Lands and Forests) replaces original agreements of 28th April, 1945, and July 5th, 1949.

- (1) Co-operation in control of forest insects and forest diseases through entomological and pathological studies;
- (2) Ontario agrees to provide, maintain, repair and heat for the use of the Division of Forest Biology the two laboratories;
- (3) Canada provides research personnel and equipment for the laboratories;
- (4) Preference given to forest insect and forest diseases problems of Ontario;
- (5) Result of studies, advice and assistance will be available to Ontario;
- (6) Advisory Committee to the Minister of Agriculture (Federal) and the Minister of Lands and Forests (Ontario) consists of eight members (each Minister to appoint four) with the purpose of reviewing reports and making recommendations relating to the studies by the laboratories;
- (7) Agreement is subject to review and may be terminated on six months' notice.

6. **WEATHER OBSERVATION SERVICES - Pickle Lake**
 Agreement between Canada (Department of Transport) and Ontario (Department of Lands and Forests) dated 26th November, 1953, amended by Agreement dated 28th October, 1960.

Ontario provides weather reporting services at Pickle Lake Station in the Territorial District of Kenora (Patricia Portion) for which Canada pays to Ontario \$116 a month.

7. **ROAD ACROSS CONSTANCE LAKE INDIAN RESERVE NO. 92**

By an exchange of letters between the Deputy Minister of Citizenship and Immigration dated July 18th and October 6th, 1960 and the Deputy Minister of Lands and Forests dated the 29th day of September, 1960, the Department was given permission to use a road right-of-way through Constance Lake Indian Reserve No. 92 for a term of ten years from July 1st, 1960, subject to a renewal if required and provided the Department of Lands and Forests maintains the road in summer and winter.

8. FUR MANAGEMENT AGREEMENT

A. By an exchange of letters between the Minister of Citizenship and Immigration and the Minister of Lands and Forests dated September 9th, 1960 and September 28th, 1960, respectively, it was agreed, subject to certain exceptions, to continue until March 31st, 1962 the fiscal arrangements created under the agreement of January 16th, 1950 between Canada and Ontario in respect to the management and development of fur resources in Northern Ontario. The maximum amount payable by Ottawa under these arrangements is \$75,000 a year. The payments by Canada shall not include any part of ordinary supervision of the fur development programme. The expenditures in connection with fur marketing including auction facilities at North Bay would be allowed. Also costs of research projects such as the Patricia inventory of game and fish and various biological lake surveys undertaken by Ontario and the cost of administration and supervision of commercial fisheries resulting from such surveys will be shared under the arrangement.

B. A further agreement has been negotiated between the Minister of Citizenship and Immigration and the Minister of Lands and Forests under which Canada co-operates in the management of the renewable natural resources in the Bruce Peninsula and the administrative districts north and west of the south boundary of Parry Sound and Pembroke, for a ten-year period commencing April 1st, 1962. Ontario undertakes the administration of programmes under the agreement and is to spend \$200,000 annually. Canada pays annually \$50,000 for administrative expenses and 50% of other expenses provided Canada's total payment shall not exceed \$100,000.

Programmes which may be undertaken under the agreement include: (1) Commercial fishing; (2) Fishing and hunting for domestic use; (3) Sports fishing and hunting, including instruction of guides and outfitters and public hunting on Indian Reserves on a fee basis; (4) Wild rice, blue berries and other wild crops; (5) Forestry, forest protection and training; and (6) Processing and marketing of products, including fur.

Programmes and budgets are recommended by an Advisory Committee of three from Ontario and two from Canada. Canada may appoint a liaison officer. The Committee may make recommendations in respect of special projects on Crown or Indian Reserves lands suitable for development as wetlands, or for forestry or multiple use, or for the establishment of processing or market facilities which may be dealt with under separate agreement. Processing projects will be undertaken only after refusal of private industry.

Principle of previous use and occupation in allocation of trapping, commercial fishing and wild crop harvesting will apply. Licences for commercial harvesting of resources will be issued only to primary producers who participate in harvesting. Indians are to obtain commercial licences. Preference to be given to Indians in hiring employees for projects.

9. AGREEMENTS UNDER THE CANADA FORESTRY ACT

A. Agreement between Canada (Department of Northern Affairs and National Resources) and Ontario (Department of Lands and Forests) dated December 20th, 1956, partly amended on March 27th, 1958 and renewed by agreement dated July 20th, 1961 between Canada (Department of Forestry) and Ontario (Department of Lands and Forests) under which Canada shares the cost of:

- (1) Completing forest resources inventory;
- (2) Maintaining forest resources inventory;
- (3) Reforesting certain Crown lands and other lands owned by public authorities;
- (4) Establishing and maintaining nurseries.

By the renewal the Federal assistance to the programmes was extended to the 31st of March, 1962.

The Federal share amounts to: (1) and (2) 50 per cent of total cost; (3) \$10.00 for each reforested unit (1,000 trees) by planting or \$1.00 for each reforested unit (1 acre) by seeding on unoccupied crown land; (4) 20 per cent of the cost.

B. June 20th, 1957. Agreement between Canada and Ontario by which Canada assists the Province to achieve adequate forest fire protection by sharing certain costs of forest fire protection with the Province.

The agreement covers fiscal years, 1st April, 1957, to 31st of March, 1962.

- (1) 50 per cent of the cost of equipment for forest fire prevention, detection and suppression, forest protection communication and transportation;
- (2) 50 per cent of the cost of erecting building to be primarily used for forest fire protection;
- (3) 50 per cent of the cost of charter or employment of aircraft and vessels for forest fire protection;
- (4) 25 per cent of the cost of building primarily used for other purposes and partly for forest fire protection and of the construction of forest access roads.

The assistance is limited to an established Federal Government maximum amount (\$281,224.00 for 1960-61). Additional assistance may only be paid if other provinces will not qualify to receive their full maximum allotment.

C. FOREST RESEARCH AGREEMENT, January 29th, 1959

Agreement between Canada (Department of Northern Affairs and National Resources) and Ontario (Department of Lands and Forests) in a co-operative programme of forest research. Canada will conduct studies in forest research, particularly on problems affecting Ontario, with the recommendations of the Advisory Committee appointed under the agreement. Ontario provides accommodation. Canada supplies equipment and staff. Results of studies are available to Ontario. Canada is to comply with reasonable requests from Ontario for advice and assistance. The Advisory Committee is composed of eight members, four appointed by the Federal Minister and four appointed by the Ontario Minister. The Committee recommends the studies to be made, reviews reports, recommends pilot experiments and test procedures, and formulates recommendations respecting operating practices upon completion of experiments and tests.

D. Agreement dated March 9th, 1961 between Canada (Department of Forestry) and Ontario (Department of Lands and Forests) .

Canada pays to Ontario one half of the expenditures incurred by Ontario between December 1st, 1960 and November 30th, 1961 up to a maximum of \$ 940,944 provided all payments made by Canada under similar agreements with all provinces shall not exceed \$ 5,000,000.00 in approved projects which may consist of surveying and construction of forest access roads or trails and the clearing of Crown land boundary lines for the improvement of access to forest areas.

E. An agreement presently under negotiation will extend the period of the agreement of March 9, 1961 respecting forest access roads and trails until March 31, 1962.

F. An agreement presently under negotiation will provide for a two-year extension of the arrangements mentioned in items A, B and D.

10. AGREEMENT UNDER THE FORESTRY ACT (Ontario)

By an agreement dated August 16, 1961, between the Minister of Lands and Forests and The National Capital Commission, the Commission leased the lands described in Schedule "A" of the agreement, being part of the Commission's land acquired under The National Capital Act (Canada) 1958 in the vicinity of Ottawa, for a period of 50 years from April 1, 1961. Additional lands may be added to the agreement from time to time by a lease in the form appended to the agreement for a term ending March 31, 2011.

The Minister agreed to manage the lands for forestry purposes. Fences, buildings, structures and other improvements must have the prior approval of the Commission. With approval of the Commission and at the sole expense of the Minister, areas may be established for public recreation. Areas may be withdrawn on payment of expenses, less revenues, without interest. Revenues from the lands are received by the Minister and on termination or expiry of the agreement the Commission will pay the Minister his expenses less the revenues, without interest. If there is an excess, it shall be paid to the Commission with-

out interest. The agreement is to be reviewed following April 1, 1963 and in every second year thereafter.

11. GREAT LAKES FISHERIES RESEARCH

By an exchange of letters in January, 1960, Canada (Department of Fisheries) and Ontario (Department of Lands and Forests) agreed that the recommendations of the Federal-Provincial Great Lakes Fisheries Co-ordinating Committee be adopted and that responsibility for fisheries research on the Great Lakes would be assumed as follows:

Canada will assume responsibility for:

- (1) Lamprey research and control in Lake Superior. In addition, lamprey investigations in the other lakes will be carried out as required to plan for future operations in those lakes.
- (2) General Fisheries research on Lake Superior.
- (3) Economic studies on all of the Great Lakes after consultation with the Department of Lands and Forests of Ontario as to the relative importance of various approaches to this problem.
- (4) Technological studies, including gear development, after consultation with the Department of Lands and Forests of Ontario in the detail necessary to achieve suitable co-ordination with policy and with biological studies.

Ontario will assume responsibility for:

- (1) General fisheries research on Lake Huron, Lake Erie and Lake Ontario.
- (2) Collection of routine statistics of the commercial and game fish catches on each of the Great Lakes. Additional statistics may be collected if they lend themselves to routine collection. Special statistical studies for a particular lake or part of a lake will be the responsibility of the agency concerned with the general fisheries research programme for that lake.

- (3) Hydrographic surveys of a broad general nature on each of the Great Lakes. Particular limnological data of primary importance to only fisheries research will be the responsibility of the agency concerned with the general fisheries research programme in each lake.

12. CAMPGROUNDS AND PICNIC AREAS CONSTRUCTION

The winter works programme respecting the development of campgrounds and picnic areas was continued under an exchange of letters from the Minister of Northern Affairs and National Resources to the Minister of Municipal Affairs dated the 23rd day of November, 1960 and the Prime Minister of Ontario to the Minister of Northern Affairs and National Resources dated the 10th day of November, 1960. Under the arrangements Canada agreed to reimburse Ontario for one half of the expenditures made by Ontario in respect of costs incurred on a campgrounds-picnic areas programme or the labour costs whichever are the lesser conducted between November 1st, 1960 and April 30th, 1961. Ontario was required to mark in a suitably-agreed form all campgrounds and picnic areas developed under the programme since 1958 in a manner indicating that the facility provided had been provided under a co-operative federal-provincial programme. A further requirement was that the development be limited to provincial lands on the understanding that the development would continue to be owned by the province. This programme has been extended from November 1st, 1961 to April 30th, 1962 on the same terms and conditions.

13. TECHNICAL AND VOCATIONAL TRAINING

An agreement dated June 26, 1961, between the Government of Canada (Minister of Labour) and the Government of Ontario (Minister of Education) provides for federal contributions to provincial technical and vocational training programmes for a ten-year period expiring March 31, 1971, subject to specified qualification and regulations.

The agreement also provides for grants in respect of capital expenditures on approved training facilities, i. e. buildings, plant, machinery and equipment, including grants; prior to April 1, 1963 - 75%; after April 1, 1963 - 50%. Cost of land and other similar items are excepted.

OPERATIONS BRANCH

The re-organization of the Department in June, 1941, included the establishment of the Division of Operation and Personnel as a service unit to relieve the other Divisions of numerous burdens and leave them free to concentrate on their primary responsibilities.

Mr. P. O. Rhynas was transferred from the Department of Labour to be Chief of the new Division and organize an efficient centralization of services. These included the enlistment, pay and promotion of personnel; the purchase and distribution of supplies and equipment; a basic records system; a messenger service; and a greatly increased tempo in the Department's information and educational service to the public. The large volume of work required to support so large a Department soon placed the new Division at a level of operations comparable to that of big business.

The appointment of two Assistant Deputy Ministers, J.S. Yoerger and G.H.U. Bayly, on December 1st, 1957, coincided with the separation of the service unit into the Division of Operations and a separate Personnel Section. Re-named Branch in 1959, Operations has four Sections:-

PURCHASING AND OFFICE MANAGEMENT, responsible for purchase of supplies and equipment, renting, maintenance of records, Department uniforms and many special assignments;

CENTRAL SUPPLY WAREHOUSE (established on April 1st, 1958), responsible for storage and supply of supplies and equipment, and a large volume of duplication and distribution of printed material;

CONSERVATION INFORMATION, responsible for Department publications, press releases and various public appeals, the supply of information to the public, and the storage and supply of photographs and colour slides;

CONSERVATION EDUCATION, responsible for radio and television broadcasts, lectures, Department displays at exhibitions, and the making and supply of motion films.

OPERATIONS BRANCH

Chief: P. O. RHYNAS

Assistant Chief: C. V. RICH

PURCHASING AND OFFICE MANAGEMENT SECTION

Supervisor: M. A. GONTIER

Purchasing, Material Control, Customs,
Invoicing, Leased Premises,
Office Management, Records,
Circular Production, Equipment Inventory,
Uniforms

CENTRAL SUPPLY WAREHOUSE

Supervisor: M. TOMS

Housing, Recording, Shipping of Stock,
Composing and Making Plates, Duplicating,
Collating and Distributing

CONSERVATION INFORMATION SECTION

Supervisor: R. V. WHELAN

Gathering, Screening and Producing
Information on Conservation of Natural
Resources, Compiling and Releasing
Minister's Brief, News Releases and
Public Appeals, etc.

CONSERVATION EDUCATION SECTION

Acting Supervisor: C. V. RICH

Planning and Presenting to the Public a
Complete Educational Programme of Our
Natural Resources Through Lectures,
16 mm. Motion Pictures, Television and
Exhibit Displays

LECTURE TOURS — Number of Meetings and Attendance

| Years ending March 31st | SCHOOL | | PUBLIC | | DEPARTMENT TOTAL | | Ontario Forestry Association | |
|----------------------------|--------|---------|--------|---------|---------------------|---------|------------------------------------|---------|
| | | | | | | | | |
| 1946 | 423 | 53,913 | 246 | 24,558 | 669 | 78,471 | ..... | ..... |
| 1947 | 405 | 50,990 | 377 | 22,481 | 782 | 83,471 | ..... | ..... |
| 1948 | 780 | 101,360 | 752 | 58,615 | 1,532 | 159,975 | ..... | ..... |
| 1949 | 876 | 89,020 | 655 | 71,969 | 1,531 | 160,989 | 20 | 1,511 |
| 1950 | 827 | 93,895 | 629 | 136,293 | 1,456 | 230,188 | 401 | 83,566 |
| 1951 | 675 | 80,411 | 913 | 75,850 | 1,588 | 156,261 | 1,241 | 128,052 |
| 1952 | 702 | 50,900 | 1,246 | 84,283 | 1,948 | 135,183 | 1,141 | 185,552 |
| 1953 | 721 | 53,679 | 1,223 | 86,895 | 1,944 | 140,574 | 611 | 119,312 |
| 1954 | 1,196 | 89,835 | 1,546 | 95,701 | 2,742 | 185,536 | 792 | 100,650 |
| 1955 | 1,143 | 92,381 | 1,526 | 116,263 | 2,669 | 208,642 | ..... | ..... |
| 1956 | 1,076 | 90,540 | 1,402 | 107,746 | 2,478 | 198,286 | 703 | 56,394 |
| 1957 | 1,261 | 93,672 | 1,710 | 127,174 | 2,971 | 220,846 | 674 | 68,758 |
| 1958 | 972 | 67,013 | 1,708 | 97,334 | 2,680 | 164,347 | 538 | 68,832 |
| 1959 | 831 | 68,146 | 2,196 | 124,703 | 3,027 | 192,849 | 409 | 40,430 |
| 1960 | 1,094 | 92,794 | 2,715 | 158,682 | 3,809 | 251,476 | 484 | 61,056 |
| 1961 | 1,026 | 80,015 | 3,198 | 187,686 | 4,224 | 267,701 | 401 | 48,756 |

INFORMATION AND EDUCATION SERVICES

| Years Ending March 31st | Motion Films (titles) | 35 mm. Colour Slides | Photo Prints Loaned to Publishers | Exhibi- tions | Letters of Enquiry Answered* | ADVERTISEMENTS | | PUBLI- CATIONS |
|-------------------------------|-----------------------------|----------------------------|---|------------------|------------------------------------|---------------------|-------------------|-------------------|
| | | | | | | Adminis- tration | Conser- vation | |
| 1946 | 24 | .... | .... | .. | ... | 77 | 26 | 29 |
| 1947 | 25 | .... | .... | 8 | 4,200 | 508 | 65 | 53 |
| 1948 | 26 | .... | .... | 13 | 6,900 | ... | .. | 53 |
| 1949 | 28 | .... | .... | 15 | 7,700 | 130 | 57 | 72 |
| 1950 | 28 | .... | 1,800 | 38 | 8,065 | 60 | 44 | 72 |
| 1951 | 38 | .... | 1,800 | 64 | 7,200 | 127 | 43 | 72 |
| 1952 | 56 | .... | 1,800 | 64 | 8,100 | 57 | 39 | 56 |
| 1953 | 73 | 750 | 2,100 | 68 | 9,000 | 74 | 27 | 55 |
| 1954 | 89 | 750 | 1,800 | 75 | 9,000 | 57 | 36 | 72 |
| 1955 | 119 | 750 | 3,500 | 75 | 7,000 | 103 | 45 | 87 |
| 1956 | 159 | 1,000 | 4,500 | 75 | 8,400 | 99 | 55 | 84 |
| 1957 | 178 | 1,500 | 6,000 | 75 | 10,800 | 112 | 53 | 92 |
| 1958 | 208 | 1,500 | 9,000 | 75 | 14,600 | 93 | 52 | 109 |
| 1959 | 226 | 1,800 | 9,200 | 75 | 21,010 | 139 | 54 | 116 |
| 1960 | 226 | 1,900 | 9,000 | 75 | 26,000 | 140 | 55 | 133 |
| 1961 | 234 | 2,000 | 9,000 | 75 | 29,200 | 50 | 49 | 136 |

* Information supplied to general public, in addition to many enquiries in person and by telephone.

WAREHOUSE SHIPMENTS in years ending March 31st

| Year | Tons | Supplies | Parcels | Printed Material | | Park Permits | Licences |
|------|------|----------|---------|------------------|-------------|--------------|-----------|
| | | | | Collated | Distributed | | |
| 1949 | 150 | | 10,000 | ..... | ..... | ..... | 701,450 |
| 1950 | 160 | | 12,000 | ..... | ..... | ..... | 774,470 |
| 1951 | 170 | | 12,500 | ..... | ..... | ..... | 802,900 |
| 1952 | 175 | | 13,500 | ..... | ..... | ..... | 868,300 |
| 1953 | 176 | | 14,000 | ..... | ..... | ..... | 910,480 |
| 1954 | 200 | | 19,000 | ..... | ..... | ..... | 1,005,000 |
| 1955 | 470 | | 17,180 | ..... | ..... | ..... | 1,055,299 |
| 1956 | ... |  | ..... | ..... | ..... | ..... | 1,120,654 |
| 1957 | 488 | | 18,450 | ..... | ..... | ..... | 1,154,000 |
| 1958 | 350 | | 17,040 | ..... | ..... | 271,600 | 1,212,920 |
| 1959 | 218 | | 19,136 | 207,800 | 1,941,819 | 300,000 | 1,279,067 |
| 1960 | 377 | | 20,264 | 225,385 | 2,124,688 | 300,000 | 1,260,917 |
| 1961 | 308 | | 21,143 | 211,047 | 1,155,151 | 689,000 | 1,363,712 |

NEW POLICIES

[illegible]

CORRECTIONS

[illegible]

NEW POLICIES

[illegible]

PARKS BRANCH

The Division of Parks was established on October 1st, 1954, with the late W. B. Greenwood as Chief, following a comprehensive survey of public needs in outdoor recreation facilities. To Mr. Greenwood belongs much of the credit for the accomplishments of the new organization (named Branch in 1959) during its formative years.

A. B. Wheatley was appointed Chief on April 1st, 1961.

Algonquin, the first Provincial Park, was established in 1893 by the Algonquin National Park Act, 56 Victoria, Chap. 8. Rondeau was established by the Rondeau Provincial Park Act, 57 Victoria, Chap. 15. Presqu'ile was established by the Presqu'ile Park Act, 12 Geo. V., Chap. 39. Long Point was established by the Long Point Park Act, 2 Geo. V., Chap. 35.

Quetico, Ipperwash, Sibley and Lake Superior were established by Order-in-Council.

Since the Provincial Parks Act was proclaimed on December 1st, 1954, all new Provincial Parks have been established by regulations made under the Act and its revisions, and published in The Ontario Gazette on the following dates:

| | |
|------------------------|--------------------|
| O. Reg. 148/55 | August 6th, 1955 |
| O. Reg. 144/57 | July 6th, 1957 |
| O. Reg. 229/57 | October 26th, 1957 |
| O. Reg. 280/57 | January 4th, 1958 |
| O. Reg. 42/58 | March 8th, 1958 |
| O. Reg. 251/58 | October 11th, 1958 |
| O. Reg. 254/58 | October 18th, 1958 |
| O. Reg. 70/59 | May 2nd, 1959 |
| O. Reg. 88/59 | May 23rd, 1959 |
| O. Reg. 195/59 | August 31st, 1959 |
| O. Reg. 253/59 | November 7th, 1959 |
| O. Reg. 204/60 | July 30th, 1960 |

Orders-in-Council 2053-57 and 4365-57 authorized the transfer of 30 parks from Department of Highways to Department of Lands and Forests in 1957. Ten were returned in the year ending March 31st, 1960.

Section 1 (a) of the Provincial Parks Act, 1954, reads as follows; "'provincial park' includes provincial camp grounds, provincial picnic grounds and provincial camp and picnic grounds".

In every park, development of facilities is governed by a master plan for the optimum use of the parkland.

Park Naturalist Programmes of Interpretation, including museums, labelled trails, conducted trips and lectures, continue to be popular. Senior high school and university students, among others, are employed as seasonal staff.

PARKS BRANCH

Chief: A. B. WHEATLEY

DEVELOPMENT SECTION

Supervisor: T. W. Hueston

PLANNING SECTION

Supervisor: A.R.K. McDonald

INTERPRETIVE SECTION

Supervisor: A. F. Helmsley

PARKS INSPECTION

Inspector: G. W. Delahey

OFFICE MANAGEMENT SECTION

Office Manager: T. M. Van Dusen

SPECIAL PROJECTS

C. R. Tilt
Secretary

Ontario Parks Integration Board

PUBLIC USE OF PROVINCIAL PARKS

| Year | No. of Parks | No. of Vehicles | No. of Campers | No. of Visitors |
|-----------|-----------------|--------------------|-------------------|--------------------|
| 1956..... | 21 | ..... | 86,641 | ..... |
| 1957..... | 39 | 629,666 | 162,705 | 2,114,661 |
| 1958..... | 45 | 927,871 | 276,128 | 3,232,460 |
| 1959..... | 55 | 1,420,180 | 479,069 | 5,127,199 |
| 1960..... | 63 | 1,552,662 | 592,103 | 5,692,978 |
| 1961..... | 77 | 1,725,876 | 862,559 | 6,215,370 |

ATTENDANCE AT INTERPRETIVE PROGRAMMES

| Year | No. of Parks | Museums | Nature Trails | Conducted Hikes | Lectures | Child Camps |
|----------------|-----------------|----------|------------------|--------------------|----------|----------------|
| 1950... | 1 | ..... | 6,173 | 363 | 1,230 | ..... |
| 1951... | 1 | ..... | 5,390 | 413 | 1,473 | 870 |
| 1952... | 2 | 200 | 14,341 | 752 | 2,059 | 958 |
| 1953... | 2 | 53,843 | 12,761 | 952 | 5,171 | 1,140 |
| 1954... | 3 | 72,839 | 18,920 | 1,353 | 7,521 | 2,193 |
| 1955... | 3 | 75,711 | 25,388 | 1,927 | 6,996 | 1,448 |
| 1956... | 5 | 91,246 | 23,125 | 2,015 | 8,912 | 1,815 |
| 1957... | 6 | 119,200 | 26,855 | 2,824 | 10,760 | 1,949 |
| 1958... | 6 | 146,681 | 40,617 | 3,973 | 14,799 | 2,790 |
| 1959... | 8 | 217,672 | 38,771 | 5,782 | 21,820 | 2,168 |
| 1960... | 9 | 282,927* | 46,679 | 6,958 | 23,828 | 468 |
| 1961... | 8 | 287,895 | 46,955 | 7,104 | 28,726 | 900 |
| 1961 | | | | | | |
| Algonquin... | 184,491 | | 41,003 | 3,602 | 14,998 | 900 |
| Nancy Island | 13,652 |  | ..... | ..... | ..... | ..... |
| Presqu'ille... | 18,129 | | 3,000 | 1,546 | 5,600 | ..... |
| Quetico..... | 7,143 | | 1,075 | 391 | 1,816 | ..... |
| Rondeau..... | 25,631 |  | ..... | 1,071 | 3,604 | ..... |
| Sibbald Point | 23,421 |  | ..... | ..... | ..... | ..... |
| Sibley..... | 15,428 | | 277 | 494 | 2,708 | ..... |
| Inverhuron... | ..... |  | 1,600* | ..... | ..... | ..... |

* Estimated; all other figures are actual count.

95 PROVINCIAL PARKS AND PARK RESERVES

as of November 30th, 1961

| DISTRICT PARK | Area (Acres) | Camping Units | Campers in 1961 | Visitors in 1961 |
|----------------------|-----------------|------------------|--------------------|---------------------|
| CHAPLEAU | | | | |
| Five Mile Lake..... | 1,010 | 53 | 926 | 3,713 |
| COCHRANE | | | | |
| Greenwater..... | 10,560 | 20 | 1,266 | 6,222 |
| Kettle Lakes..... | 2,304 | 98 | 3,370 | 50,544 |
| FORT FRANCES | | | | |
| Caliper Lake..... | 246 | 81 | 6,254 | 21,832 |
| Lake of the Woods... | 2,127 | 72 | 655 | 14,665 |
| Quetico..... | 1,148,800 | 109 | 5,749 | 66,531 |
| GERALDTON | | | | |
| Blacksand..... | 3,353 | 62 | 8,211 | 14,139 |
| Klotz Lake..... | 210 | 29 | 2,362 | ..... |
| MacLeod Lake..... | 200 | 54 | 3,891 | 16,420 |
| Rainbow Falls..... | 277 | 115 | 28,960 | 45,815 |
| Neys..... | 900 | ... | ..... | Res |
| Kama Bay..... | 1,750 | ... | ..... | Res |
| GOGAMA | | | | |
| Ivanhoe..... | 1,280 | 35 | 998 | 2,683 |
| KAPUSKASING | | | | |
| Nagagamisis..... | 11,878 | 80 | 1,962 | 14,026 |
| Remi Lake..... | 980 | 26 | 3,387 | 25,773 |
| KEMPTVILLE | | | | |
| Fitzroy..... | 434 | 104 | 7,364 | 51,328 |
| Murphy's Point..... | 784 | ... | ..... | Dev |
| Rideau River..... | 130 | 170 | 14,689 | 144,756 |
| Silver Lake..... | 78 | 196 | 16,569 | 68,082 |
| South Nation..... | 13 | 28 | 5,189 | 42,810 |
| KENORA | | | | |
| Aaron..... | 124 | 40 | 7,681 | 26,173 |
| Rushing River..... | 395 | 85 | 14,637 | 59,980 |
| Sioux Narrows..... | 284 | 40 | 6,284 | 24,676 |
| Blue Lake..... | 176 | 70 | 6,317 | 24,099 |
| Pipestone..... | 3,425 | .... | ..... | Res |
| LAKE ERIE | | | | |
| Clay Creek..... | 24 | 47 | 2,084 | 30,393 |
| Holiday Beach..... | 205 | 50 | 919 | 158,843 |
| Ipperwash..... | 109 | 250 | 23,002 | 187,945 |
| Long Point..... | 848 | 100 | 24,388 | 203,121 |
| Pinery..... | 4,333 | 900 | 53,551 | 301,665 |
| St. Williams..... | 5 | .... | Day | 32,981 |
| Rock Point..... | 42 | 50 | 1,103 | 12,963 |
| Rondeau..... | 5,504 | 506 | 30,703 | 642,020 |
| Turkey Point..... | 778 | 227 | 5,610 | 16,457 |
| John E. Pearce..... | 62 | ... | ..... | Day |
| Port Bruce..... | 28 | ... | ..... | Day |

Day - Day Use Parks.

Res - Reserved Area for Park Purposes.

Dev - Parks under Development.

95 PROVINCIAL PARKS AND PARK RESERVES (Continued)

as of November 30th, 1961

| DISTRICT PARK | Area (Acres) | Camping Units | Campers in 1961 | Visitors in 1961 |
|---------------------|-----------------|------------------|--------------------|---------------------|
| LAKE HURON | | | | |
| Craigleith..... | 27 | 170 | 15,180 | 60,396 |
| Inverhuron..... | 545 | 300 | 21,742 | 97,986 |
| Sauble Falls..... | 44 | 146 | 12,981 | 178,298 |
| LAKE SIMCOE | | | | |
| Bass Lake..... | 85 | 154 | 20,423 | 199,991 |
| Devils Glen..... | 14 | 20 | 3,116 | 81,367 |
| Earl Rowe..... | 111 | 70 | 5,298 | 60,248 |
| Sibbald Point..... | 495 | 550 | 42,636 | 325,206 |
| Six Mile Lake..... | 177 | 140 | 12,878 | 80,057 |
| Springwater..... | 117 | ... | ..... | 109,686 |
| Wasaga Beach..... | 80 | ... | ..... | Day |
| Little Lake..... | 100 | ... | ..... | Res |
| LINDSAY | | | | |
| Darlington..... | 295 | 200 | 8,111 | 122,895 |
| Emily..... | 67 | 88 | 13,986 | 124,360 |
| Mark S. Burnham.... | 101 | ... | Day | 29,009 |
| Presqu'ile..... | 2,170 | 500 | 37,307 | 301,487 |
| Serpent Mounds..... | 70 | 110 | 15,483 | 104,569 |
| Bottle Lake..... | 3,800 | ... | ..... | Res |
| NORTH BAY | | | | |
| Antoine..... | 23 | 29 | 2,365 | 22,346 |
| Finlayson Point.... | 75 | 106 | 7,754 | 40,002 |
| Marten River..... | 765 | 204 | 14,024 | 63,225 |
| Samuel de Champlain | 1,444 | 79 | 4,897 | 18,102 |
| Mashkinonje..... | 2,543 | ... | ..... | Res |
| Bay Lake..... | 350 | ... | ..... | Res |
| PARRY SOUND | | | | |
| Grundy Lake..... | 6,310 | 300 | 21,898 | 93,303 |
| Oastler Lake..... | 24 | 150 | 14,956 | 120,057 |
| Killbear Point..... | 2,334 | 284 | 18,718 | 105,675 |
| Mikisew..... | 99 | 124 | 8,421 | 42,904 |
| Sturgeon Bay..... | 20 | 95 | 8,377 | 23,751 |
| Restoule..... | 1,417 | ... | ..... | Dev |
| PEMBROKE | | | | |
| Algonquin..... | 1,862,144 | 1,277 | 77,676 | 466,983 |
| Carson Lake..... | 15 | 48 | 3,578 | 3,107 |
| Driftwood..... | 654 | 82 | 7,317 | 14,791 |
| PORT ARTHUR | | | | |
| Inwood..... | 82 | 42 | 6,847 | 10,208 |
| Sibley..... | 45,120 | 195 | 13,836 | 45,070 |
| Kakabeka Falls..... | 891 | 58 | 16,102 | 279,622 |
| Middle Falls..... | 11 | 20 | 9,888 | 55,529 |
| Shuniah..... | 17 | 20 | 10,978 | 52,461 |
| Silver Falls..... | 8,800 | ... | ..... | Res |
| Arrow Lake..... | 100 | ... | ..... | Res |

Day - Day Use Parks.

Dev - Parks under Development.

Res - Reserved Area for Park Purposes.

95 PROVINCIAL PARKS AND PARK RESERVES (Continued)

as of November 30th, 1961

| DISTRICT PARK | Area (Acres) | Camping Units | Campers in 1961 | Visitors in 1961 |
|-------------------------|------------------|------------------|--------------------|---------------------|
| SAULT STE. MARIE | | | | |
| Pancake Bay..... | 710 | 150 | 26,527 | 69,581 |
| Batchawana..... | 400 | ... | ..... | Day |
| Lake Superior..... | 333,632 | 162 | 31,170 | 46,508 |
| Elliott Lake..... | 96,000 | ... | ..... | Res |
| SIoux LOOKOUT | | | | |
| Pakwash..... | 71 | ... | ..... | Dev |
| Ojibwa..... | 6,130 | ... | ..... | Dev |
| SUDBURY | | | | |
| Fairbank..... | 85 | 110 | 12,290 | 28,384 |
| Windy Lake..... | 293 | 90 | 4,222 | 55,696 |
| Killarney..... | 36,796 | ... | ..... | Res |
| SWASTIKA | | | | |
| Esker Lakes..... | 7,680 | 136 | 3,312 | 21,072 |
| Kap-Kig-Iwan..... | 759 | 64 | 2,319 | 30,258 |
| McCann..... | 640 | ... | ..... | Res |
| TWEED | | | | |
| Black Lake..... | 77 | 178 | 8,537 | 42,727 |
| Lake on the Mountain | 256 | ... | ..... | Day |
| Lake St. Peter..... | 62 | 60 | 4,902 | 29,372 |
| Outlet Beach..... | 263 | 265 | 15,504 | 209,112 |
| Sandbanks..... | 1,200 | ... | ..... | Day |
| Bon Echo..... | 1,460 | 118 | 8,922 | 39,314 |
| WHITE RIVER | | | | |
| White Lake..... | 3,980 | ... | ..... | Dev |
| Knife Lake..... | 34,240 | ... | ..... | Res |
| TOTAL..... | 3,669,926 | 10,591 | 862,559 | 6,215,370 |

Day - Day Use Parks.

Dev - Parks under Development.

Res - Reserved Area for Park Purposes.

NEW POLICIES

[illegible]

NEW POLICIES

CORRECTIONS

[illegible]

NEW POLICIES

PERSONNEL BRANCH

The personnel work of the Department was centralized under the Division of Operation and Personnel which was established in the re-organization of the Department in June, 1941. On December 1st, 1957, Personnel became a separate Section with Mr. S.H.C. Parsons as Supervisor. Named Branch on December 1st, 1959, Personnel is responsible for:--

- Recruitment
- Transfers and Promotions
- Courses and Educational Leave
- Grievances, Discipline

- Classification
- Class Specifications
- Job Descriptions
- Salary Surveys

- Personnel Records
- Nominations, Separations, Renewals
- Permanent and Temporary Appointments
- Annual Increments, Attendance

- Junion Ranger Programme
- Safety and First Aid
- Workmen's Compensation

- Transfers and Promotions
- Establishments
- Control of Casuals
- Job Advertising
- Staff Appraisals

- Special Assignments
- Staff Replacement Needs
- Comparative Salary Surveys
- Job Descriptions
- Recruitment of Professional Staff.

NUMBER OF EMPLOYEES in years ending March 31st

| Year | Permanent | Temporary | Monthly | Total | * Seasonal | WORKMEN'S COMPENSATION | |
|------|-----------|-----------|---------|-------|------------|---------------------------|-----------|
| | | | | | | Claims | Cost |
| 1943 | 304 | 218 | ... | 522 | 339 | ... | ..... |
| 1944 | 310 | 268 | ... | 578 | 397 | 98 | \$ 12,850 |
| 1945 | 324 | 305 | ... | 629 | 929 | 120 | 14,540 |
| 1946 | 373 | 318 | ... | 691 | 573 | 129 | 14,249 |
| 1947 | 523 | 562 | ... | 1,085 | 527 | 182 | 21,560 |
| 1949 | 1,167 | 196 | ... | 1,363 | 562 | 494 | 35,989 |
| 1950 | 1,352 | 157 | ... | 1,509 | 580 | 501 | 50,969 |
| 1951 | 1,420 | 141 | ... | 1,561 | 617 | 394 | 43,951 |
| 1952 | 1,441 | 181 | ... | 1,622 | 790 | 368 | 54,158 |
| 1953 | 1,518 | 158 | ... | 1,676 | 680 | 417 | 51,169 |
| 1954 | 1,546 | 175 | ... | 1,721 | 633 | 494 | 64,693 |
| 1955 | 1,618 | 142 | ... | 1,760 | 727 | 455 | 63,357 |
| 1956 | 1,611 | 180 | ... | 1,791 | 655 | 910 | 106,962 |
| 1957 | 1,583 | 175 | ... | 1,758 | 929 | 588 | 85,159 |
| 1958 | 1,685 | 134 | ... | 1,819 | 3,209 | 727 | 101,376 |
| 1959 | 1,759 | 113 | ... | 1,872 | 2,750 | 874 | 132,572 |
| 1960 | 1,946 | 90 | ... | 2,036 | 1,224 | 687 | 150,709 |
| 1961 | 2,096 | 121 | 320 | 2,537 | 1,734 | 649 | 130,210 |

*Rated "Casual" until 1960. Does not include extra fire fighters.

NUMBER OF PROFESSIONAL EMPLOYEES

with University degrees in years ending March 31st

| Licensed Scalers | Year | Foresters | Biologists | Civil Engineers | Others | Total |
|---------------------|------|-----------|------------|--------------------|--------|-------|
| ... | 1943 | 56 | .. | .. | 19 | 75 |
| ... | 1944 | 45 | .. | .. | 13 | 58 |
| ... | 1945 | 54 | .. | .. | 29 | 83 |
| ... | 1946 | 55 | .. | .. | 14 | 69 |
| ... | 1949 | 85 | 18 | 2 | 10 | 115 |
| ... | 1950 | 123 | 20 | 4 | 10 | 157 |
| 343 | 1951 | 147 | 25 | 3 | 12 | 187 |
| 356 | 1952 | 158 | 26 | 5 | 16 | 205 |
| 381 | 1953 | 166 | 33 | 5 | 16 | 220 |
| 391 | 1954 | 172 | 36 | 6 | 23 | 237 |
| 392 | 1955 | 174 | 39 | 5 | 26 | 244 |
| 404 | 1956 | 139 | 34 | 6 | 27 | 206 |
| 429 | 1957 | 182 | 34 | 6 | 27 | 249 |
| 459 | 1958 | 181 | 40 | 6 | 24 | 251 |
| 495 | 1959 | 193 | 41 | 10 | 22 | 266 |
| 578 | 1960 | 189 | 43 | 10 | 25 | 267 |
| 710 | 1961 | 218 | 53 | 10 | 24 | 305 |

SUMMARY OF CLASSIFICATIONS

Permanent and Temporary Staff as of August 31st, 1961

| GROUPS | Head Office | Field | Total |
|-------------------------------|----------------|-------|-------|
| Accountants..... | 8 | .. | 8 |
| Air Engineers..... | 35 | 10 | 45 |
| Air Pilots..... | 26 | 10 | 36 |
| Air Service Staff..... | 18 | .. | 18 |
| Artists (Commercial)..... | 2 | .. | 2 |
| Biologists..... | 15 | 28 | 43 |
| Boat Captains..... | .. | 2 | 2 |
| Carpenters..... | 1 | 12 | 13 |
| Communication Technicians.... | 7 | 23 | 30 |
| Conservation Officers..... | 4 | 218 | 222 |
| Draughtsmen, Cartographers... | 35 | .. | 35 |
| Engineers..... | 7 | .. | 7 |
| Engineers (Stationary)..... | 4 | .. | 4 |
| Foresters..... | 56 | 111 | 167 |
| Forest Rangers..... | 5 | 693 | 698 |
| Hatchery Staffs..... | 2 | 53 | 55 |
| Maintenance Staffs..... | 15 | 115 | 130 |
| Mechanics, etc..... | 4 | 50 | 54 |
| Office Staffs..... | 293 | 285 | 578 |
| Photography Staff..... | 17 | .. | 17 |
| Printing Machine Operators... | 6 | .. | 6 |
| Radio Operators..... | 3 | 22 | 25 |
| Reforestation Staffs..... | 1 | 99 | 100 |
| Research Scientists..... | 18 | 5 | 23 |
| Research Technicians..... | 4 | .. | 4 |
| Solicitors..... | 3 | .. | 3 |
| Supply Assistants..... | 15 | 17 | 32 |
| Surveyors..... | 7 | .. | 7 |
| Supervisory Staff..... | 26 | 28 | 54 |
| Truck Drivers..... | 3 | 40 | 43 |
| Total..... | 640 | 1,821 | 2,461 |
| FOREST RANGERS | | | |
| Class 5*..... | 1 | 37 | 38 |
| Class 4*..... | 1 | 89 | 90 |
| Class 3*..... | .. | 186 | 186 |
| Class 2..... | 1 | 148 | 149 |
| Class 1..... | 2 | 233 | 235 |
| CONSERVATION OFFICERS | | | |
| Class 5*..... | 2 | 19 | 21 |
| Class 4*..... | 2 | 9 | 11 |
| Class 3*..... | .. | 30 | 30 |
| Class 2..... | .. | 127 | 127 |
| Class 1..... | .. | 33 | 33 |

(*Supervisory Level)

DISTRIBUTION OF JUNIOR RANGERS (Summer Months Only)

| DISTRICT | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Chapleau..... | ... | ... | 14 | 15 | 23 | 26 | 40 | 46 | 39 | 38 | 35 | 37 | 36 | 60 |
| Cochrane..... | 12 | 25 | 25 | 21 | 26 | 36 | 39 | 45 | 39 | 35 | 24 | 24 | 25 | 36 |
| Fort Frances..... | ... | ... | ... | ... | ... | ... | ... | 14 | 16 | 14 | 14 | 23 | 12 | 12 |
| Geraldton..... | ... | ... | 10 | 10 | 10 | 15 | 35 | 24 | 27 | 48 | 59 | 64 | 46 | 60 |
| Gogama..... | ... | 10 | 15 | 12 | 21 | 25 | 34 | 43 | 27 | 38 | 36 | 39 | 37 | 48 |
| Kapuskasing..... | 8 | 10 | 14 | 12 | 12 | 21 | 32 | 43 | 33 | 28 | 34 | 40 | 36 | 36 |
| Kenora..... | ... | ... | 11 | ... | ... | ... | 10 | ... | 10 | 11 | 25 | 26 | 13 | 12 |
| Lindsay..... | ... | 12 | 15 | 14 | ... | ... | 29 | 46 | ... | ... | ... | ... | ... | ... |
| North Bay..... | 21 | 26 | 27 | 21 | 22 | 30 | 38 | 38 | ... | ... | 35 | 38 | 26 | 36 |
| Parry Sound..... | 25 | 19 | 18 | 12 | 12 | 15 | 20 | 25 | 46 | 35 | 36 | 37 | 36 | 48 |
| Pembroke..... | 20 | 40 | 42 | 32 | 32 | 35 | 42 | 51 | 48 | 42 | 34 | 34 | 24 | 36 |
| Port Arthur..... | ... | ... | ... | ... | 13 | 15 | 11 | 8 | 24 | 13 | 36 | 39 | 24 | 24 |
| Sault Ste. Marie.. | 13 | 22 | 20 | 20 | 31 | 37 | 60 | 53 | 75 | 73 | 64 | 63 | 67 | 66 |
| Sioux Lookout..... | ... | ... | ... | 9 | 12 | 21 | 19 | ... | 11 | 13 | 13 | 15 | 13 | 12 |
| Sudbury..... | 20 | 26 | 16 | 14 | 14 | 23 | 24 | 42 | 76 | 51 | 46 | 39 | 49 | 48 |
| Swastika..... | 8 | 28 | 32 | 24 | 24 | 27 | 31 | 11 | 43 | 24 | 24 | 26 | 24 | 48 |
| Tweed..... | 21 | 19 | 18 | 15 | 24 | 29 | 32 | 26 | ... | ... | ... | ... | ... | ... |
| White River..... | ... | ... | 12 | 11 | 22 | 23 | 28 | 42 | 62 | 39 | 49 | 49 | 35 | 48 |
| TOTAL..... | 148 | 237 | 289 | 242 | 312 | 403 | 524 | 547 | 614 | 550 | 564 | 593 | 503 | 630 |

LANDS AND FORESTS ADMINISTRATIVE DISTRICTS

| (Areas are given in square miles as of March 31st, 1961) | Administrative District Fish & Wildlife Control | | | Fire Protection | | |
|---|--|--------|---------|-----------------|-------|--------|
| | Land | Water | Total | Land | Water | Total |
| | | | | | | |
| Chapleau..... | 6,279 | 633 | 6,912 | 6,279 | 633 | 6,912 |
| Cochrane..... | 62,522 | 5,660 | 68,182 | 54,026 | 4,061 | 58,087 |
| Fort Frances..... | 5,820 | 1,379 | 7,199 | 5,820 | 1,379 | 7,199 |
| Geraldton..... | 35,543 | 9,807 | 45,350 | 35,543 | 9,807 | 45,350 |
| Gogama..... | 5,931 | 446 | 6,377 | 5,931 | 446 | 6,377 |
| Kapuskasing..... | 17,776 | 750 | 18,526 | 17,776 | 750 | 18,526 |
| Kemptville..... | 5,351 | 298 | 5,649 | ..... | ..... | ..... |
| Kenora..... | 9,173 | 3,000 | 12,173 | 9,173 | 3,000 | 12,173 |
| Lake Erie..... | 6,905 | 6,142 | 13,047 | ..... | ..... | ..... |
| Lake Huron..... | 8,860 | 6,486 | 15,346 | 723 | 22 | 745 |
| Lake Simcoe..... | 4,710 | 1,444 | 6,154 | 220 | 19 | 239 |
| Lindsay..... | 5,097 | 1,692 | 6,789 | 2,498 | 217 | 2,715 |
| North Bay..... | 4,969 | 887 | 5,856 | 4,969 | 887 | 5,856 |
| Parry Sound..... | 5,552 | 3,031 | 8,583 | 5,552 | 3,031 | 8,583 |
| Pembroke..... | 4,765 | 410 | 5,175 | 4,575 | 400 | 4,975 |
| Port Arthur..... | 11,309 | 2,578 | 13,887 | 11,309 | 2,578 | 13,887 |
| Sault Ste. Marie..... | 8,167 | 3,387 | 11,554 | 8,024 | 3,328 | 11,352 |
| Sioux Lookout..... | 109,016 | 11,099 | 120,115 | 73,402 | 8,001 | 81,403 |

| | | | | | | |
|------------------------------|----------------|---------------|----------------|----------------|--|----------------|
| Sudbury..... | 6,538 | 4,298 | 10,836 | 6,538 | 1,243 | 7,781 |
| Swastika..... | 5,270 | 291 | 5,561 | 5,270 | 291 | 5,561 |
| Tweed..... | 7,015 | 1,721 | 8,736 | 4,558 | 304 | 4,862 |
| White River..... | 6,400 | 3,051 | 9,451 | 6,400 | 3,051 | 9,451 |
| TOTAL..... | 342,968 | 68,490 | 411,458 | 268,586 | 43,448 | 312,034 |
| Manitoulin Island Group..... | | | 1,124 | | | |
| Total Area of Ontario..... | | | 412,582 | Square Miles. | This includes the Great Lakes north of the International Boundary. | |

St. Joseph Island (143 sq. mile) is included in Sault Ste. Marie District for all purposes except fire protection.

Manitoulin Islands, including Cockburn Island, are in Sudbury District for Fish and Wildlife control, only. Sudbury administrative area includes waters of the North Channel and Lake Huron within the Territorial District of Manitoulin, but it does not include the land area of Manitoulin, Cockburn, Fritzwilliam, Lonely, Great Duck, Western Duck or Barrie Islands.

The Great Lakes are included in Administrative Water Areas as follows: Port Arthur, 1,593; Geraldton, 4,872; White River, 2,530; Sault Ste. Marie, 2,737; Tweed, 1,349; Lindsay, 1,268; Lake Erie, 5,832; Lake Simcoe, 1,082; Lake Huron, 6,446; Sudbury, 3,664; and Parry Sound, 2,323. Total: 33,696 square miles.

Ontario's southern boundary has a shoreline of 2,362 miles; northern boundary, 680 miles.

The highest point in Ontario is in the Lake Superior Region where land is 2,120 feet above sea level.

(SEE MAP OF DISTRICTS, Pages 76, 77)

ASSISTANT DEPUTY MINISTERS

| | |
|--------------------------|--|
| J. S. YOERGER - - - - - | Fish and Wildlife Branch Lands and Surveys Branch Law Branch Parks Branch |
| G. H. U. BAYLY - - - - - | Forest Protection Branch Research Branch Timber Branch |

REGIONAL DIRECTORS

| | |
|----------------------------|---|
| R. D. K. ACHESON - - - - - | 172 Elm St. , West, Sudbury. Telephone Osbourne 4-3151. |
| A. S. BRAY - - - - - | Forestry Building, Port Arthur. Telephone DI-5-6543. |

REGIONAL FORESTERS

| | |
|-------------------------|--|
| R. BOULTBEE - - - - - | WESTERN 232 Scott St. , Fort Frances. Telephone BR-4-5337. |
| R. HYSLOP - - - - - | MID-WESTERN Forestry Building Port Arthur. Telephone DI-5-6545. |
| R. H. HAMBLBY - - - - - | NORTHERN 113 6th Avenue, Cochrane. Telephone 139. |
| D. R. WILSON - - - - - | SOUTH-EASTERN 397 George St. , Peterborough. Telephone RI-3-3612. |
| P. ADDISON - - - - - | SOUTH-WESTERN Maple. Telephone Av-5-1171--2. |

CHAPLEAU DISTRICT

OFFICE: Corner Lorne and Beach Streets.

Telephone 51

District Forester J. R. Keddie

SUPERVISORS

| | |
|-----------------------------|----------------|
| Accounts | G. J. Murray |
| Fish and Wildlife | V. Crichton |
| Forest Protection. | L. Ridsdill |
| Lands | W. E. MacPhail |
| Parks | W. E. MacPhail |
| Timber | D. E. Gage |
| Scaling | L. C. Mantle |

CHIEF RANGERS

| | |
|-----------------------|-----------------|
| Biscotasing | W. P. O'Donnell |
| Chapleau | L. T. Cecile |

COCHRANE DISTRICT

OFFICE: Court House. Telephone 142.

District Forester F. L. Hall

SUPERVISORS

| | |
|-----------------------------|-----------------|
| Accounts | A. N. Birney |
| Fish and Wildlife | S. Nodwell |
| Forest Protection. | O. Welsh |
| Lands | H. E. Wright |
| Reforestation. | J. Bell |
| Timber | P. Anslow |
| Scaling | S. E. McWhirter |

CHIEF RANGERS

| | |
|--------------------|------------|
| Low Bush | R. Woodall |
| Cochrane | S. Russell |
| Timmins | C. R. Gray |

FORT FRANCES DISTRICT

OFFICE: 232 Scott Street. Telephone Browning 4-6251.

District Forester R. A. Balkwill

SUPERVISORS

| | |
|-----------------------------|--------------|
| Accounts | A. R. Taylor |
| Fish and Wildlife | H. Pearson |
| Biologist | C. Elsey |
| Forest Protection | F. Miller |
| Surveys and Parks | L. Rawn |
| Reforestation | J. Mullen |
| Timber | H. Henry |
| Scaling | G. E. Mayhew |

CHIEF RANGERS

| | |
|------------------------|----------------|
| Fort Frances | J. E. Anderson |
| Atikokan | F. Dustak |

GERALDTON DISTRICT

OFFICE: 1821 Main Street (upper floor). Telephone 443.

District Forester G. E. MacKinnon

SUPERVISORS

| | |
|-----------------------------|---------------------|
| Accounts | R. J. Langford |
| Fish and Wildlife | E. H. Stone |
| Biologist | J. Goddard (Acting) |
| Forest Protection | R. V. Brady |
| Land and Parks | A. Grasser |
| Timber | F. C. Robinson |
| Scaling | A. G. Stret |

CHIEF RANGERS

| | |
|----------------------|----------------|
| Longlac | H. N. Whalen |
| Nakina | J. A. Murphy |
| Plays Plat | A. J. McGoey |
| Geraldton | P. Bellavance |
| MacDiarmid | R. W. A. Koski |

GOGAMA DISTRICT

OFFICE: Town of Gogama. Telephone 95.

District Forester

SUPERVISORS

| | |
|-----------------------------|----------------|
| Accounts | J. Vance |
| Fish and Wildlife | R. C. Johanson |
| Forest Protection. | J. Canfield |
| Lands | D. J. Shaw |
| Parks | D. J. Shaw |
| Timber | J. McKnight |
| Scaling | E. Dew |

CHIEF RANGERS

| | |
|-------------------|------------------|
| Foleyet | J. R. Languerand |
| Gogama | A. F. Papineau |

KAPUSKASING DISTRICT

KAPUSKASING

OFFICE. Kapuskasing.
Telephone Edgewood 5-2231

District Forester J. S. Ball

SUPERVISORS

| | |
|-----------------------------|--------------|
| Fish and Wildlife | O. Lewis |
| Forest Protection. | F. Dodds |
| Lands | T. Murphy |
| Parks | W. A. Perrin |
| Reforestation | P. Hare |
| Timber | R. A. Baxter |
| Scaling | E. A. Boice |

CHIEF RANGERS

| | |
|----------------------|----------------|
| Kapuskasing. | J. H. Clavelle |
| Hearst. | J. Shalla |
| Hornepayne | L. E. Grife |

KEMPTVILLE DISTRICT

OFFICE: Kemptville. Telephone 413.

District Forester W. A. G. Thurston

SUPERVISORS

| | |
|-----------------------------|----------------|
| Accounts | F. S. Bumstead |
| Fish and Wildlife | D. Sylvester |
| Biologist | J. B. Dawson |
| Forest Protection. | E. A. Green |
| Lands and Parks | E. A. Green |
| Timber | H. R. Grinnell |

NURSERY

Kemptville H. H. de Vries

KENORA DISTRICT

OFFICE: 213-15 Main Street.
Telephone Homestead 8-9841.

District Forester F. E. Sider

SUPERVISORS

| | |
|-----------------------------|--------------|
| Accounts | G. McChesney |
| Fish and Wildlife | P. Thompson |
| Forest Protection | B. T. Dunne |
| Lands | J. Wynd |
| Parks | H. V. Berg |
| Timber | D. J. Vance |
| Scaling | G. C. Mackey |

CHIEF RANGERS

| | |
|------------------|---------------|
| Kenora | J. Mackay |
| Minaki | J. L. Hamill |
| Dryden | H. R. Redding |

LAKE ERIE DISTRICT

OFFICE: Aylmer West. Telephone Aylmer 8.

District Forester J. K. Reynolds

SUPERVISORS

| | |
|-----------------------------|-------------------|
| Accounts | G. B. Fewings |
| Fish and Wildlife | E. L. Skuce |
| Biologist | J. D. Roseborough |
| Parks | K. A. Cameron |
| Timber | C. J. Heeney |

NURSERY

St. Williams A. A. Russell

PARKS

| | |
|-----------------------------|-------------|
| Rondeau | R. McLaren |
| Pinery and Severn | C. C. Myers |
| Ipperwash | J. Matheson |

LAKE HURON DISTRICT

OFFICE: R. R. No. 1, Hespeler,
Telephone Oliver 8-9356.

District Forester E. K. E. Dreyer

SUPERVISORS

| | |
|-----------------------------|--------------|
| Accounts | H. Makcrow |
| Fish and Wildlife | E. Meadows |
| Biologist | R. E. Mason |
| Parks | R. W. Jordan |
| Timber | W. Steele |

LAKE SIMCOE DISTRICT

OFFICE: Maple. Telephone Avenue 5-1171.

District Forester A. W. Leman

SUPERVISORS

Accounts J. Carswell
Fish and Wildlife R. H. Trotter
Biologist A. A. Wainio
Forest Protection. W. A. Armstrong
Lands and Parks A. Selwood
Timber S. R. Hamilton

NURSERIES

Angus W. E. Edwards
Midhurst J. Halpenny

PARKS

Sibbald's Point D. R. Cutts

LINDSAY DISTRICT

OFFICE: Kent Street West, Lindsay.
Telephone Fairview 4-6121.
(Direct line from Head Office)

District Forester A. E. Walroth

SUPERVISORS

Accounts H. C. Wallwin
Fish and Wildlife R. W. Swanson
Biologist K. Irizawa
Forest Protection. B. B. Benson
Lands G. Simons
Parks P. R. Davidson
Timber E. F. Johnston
Scaling R. A. Quirt

CHIEF RANGERS

Minden P. J. Cassidy
Gooderham W. Sarginson

PARKS

Presqu'ile P. J. Kennedy

NURSERY

Orono W. R. Bunting

NORTH BAY DISTRICT

OFFICE: 263a Main Street North.
Telephone Grover 2-9360.
(Direct line from Head Office)

| | |
|---------------------------------------|---------------|
| District Forester | W. B. Clarke |
| Assistant District Forester | D. M. Peacock |

SUPERVISORS

| | |
|-----------------------------|----------------|
| Accounts | J. E. Rogers |
| Fish and Wildlife | J. F. Gage |
| Biologist | J. F. Gage |
| Forest Protection. | D. M. Peacock |
| Lands | W. Turnbull |
| Parks | A. D. Tremblay |
| Timber | R. Lockhart |
| Scaling | R. T. Fraser |

CHIEF RANGERS

| | |
|--------------------|-----------------|
| Temagami. | A. W. O'Donnell |
| North Bay. | L. L. Bronson |

PARRY SOUND DISTRICT

OFFICE: 34 Sequin Street. Telephone Riverside 6-2141.

| | |
|---------------------------------------|-----------------|
| District Forester | M. A. Adamson |
| Assistant District Forester | J. E. Dickenson |

SUPERVISORS

| | |
|---------------------------------------|-------------------|
| Accounts | G. F. Walter |
| Fish and Wildlife | J. A. Macfie |
| Biologist | C. W. Douglas |
| Senior Conservation Officer | C. W. Douglas |
| Forest Protection. | D. Burns |
| Lands | T. H. E. Croswell |
| Parks | W. R. Peck |
| Timber | W. E. Dyer |
| Scaling | A. J. Tracy |

CHIEF RANGERS

| | |
|-----------------------|---------------|
| Parry Sound | R. E. Simpson |
| Powassan | W. J. Barber |
| Bracebridge | G. P. Elliott |

PEMBROKE DISTRICT

OFFICE: 68 Pembroke Street. Telephone Regent 2-3661.

| | |
|---------------------------------------|----------------|
| District Forester | R. C. Passmore |
| Assistant District Forester | D. A. Fawcett |

SUPERVISORS

| | |
|-----------------------------|-----------------|
| Accounts | G. Bragg |
| Fish and Wildlife | H. E. Deedo |
| Biologist | J. F. Gardner |
| Forest Protection | J. K. K. Legris |
| Lands | J. Orme |
| Parks | J. E. Collard |
| Timber | C. R. Groves |

CHIEF RANGERS

| | |
|-----------------------|-----------------|
| Pembroke | R. N. Cousineau |
| Whitney | H. Hames |
| Stonecliffe | J. J. R. Tait |

PORT ARTHUR DISTRICT

OFFICE: Forestry Building, 14 Algoma St. North.
Telephone Diamond 5-6543.

| | |
|-----------------------------|---------------|
| District Forester | W. L. Sleeman |
|-----------------------------|---------------|

SUPERVISORS

| | |
|-----------------------------|------------------|
| Accounts | J. Chadwick |
| Fish and Wildlife | D. J. D'Agostini |
| Biologist | J. C. Weir |
| Forest Protection | M. Sauerbrei |
| Lands | W. Jarvis |
| Parks | E. Diamond |
| Timber | W. W. Wahl |
| Scaling | J. W. E. Peden |

CHIEF RANGERS

| | |
|--------------------------|-------------|
| Port Arthur | W. Taylor |
| Black Sturgeon | J. A. Moore |
| Shebandowan | G. Murray |

NURSERY

| | |
|------------------------|----------------|
| Fort William | E. M. Cressman |
|------------------------|----------------|

SAULT STE. MARIE DISTRICT

OFFICE: Airdrome Building. Telephone Algoma 6-7461.

District Forester J. W. Lockwood

SUPERVISORS

| | |
|-----------------------------|-----------------|
| Accounts | J. C. Kindness |
| Fish and Wildlife | N. D. Patrick |
| Biologist | N. D. Patrick |
| Forest Protection. | T. Woodside |
| Lands | G. A. McCormack |
| Timber | E. F. Anderson |

CHIEF RANGERS

| | |
|----------------------------|---------------|
| Blind River | J. A. Huppe |
| Sault Ste. Marie | C. Tregonning |
| Sand Lake | E. Montgomery |

SIOUX LOOKOUT DISTRICT

OFFICE: 38 Front Street. Telephone 740.

| | |
|---------------------------------------|-----------------|
| District Forester | W. G. Cleaveley |
| Assistant District Forester | J. E. Barnes |

SUPERVISORS

| | |
|-----------------------------|-----------------|
| Accounts | D. Munch |
| Fish and Wildlife | C. E. Perrie |
| Biologist | A. E. Armstrong |
| Forest Protection. | E. W. Bouchey |
| Lands | S. N. Johnson |
| Reforestation | V. W. Fisk |
| Timber | J. K. Gaughan |
| Scaling | E. L. Sullivan |

CHIEF RANGERS

| | |
|------------------------|----------------|
| Armstrong | H. S. Anderson |
| Pickle Lake. | E. Guertin |
| Red Lake | D. R. Williams |
| Sioux Lookout. | F. J. Atkinson |
| Ignace. | F. Nicoll |

SUDBURY DISTRICT

OFFICE. 7 Cedar. Telephone Osbourne 5-8394.
(Direct line from Head Office)

District Forester G. A. Hamilton

SUPERVISORS

| | |
|-----------------------------|-----------------|
| Accounts | G. Jennings |
| Fish and Wildlife | C. Bibby |
| Biologist | G. I. Gillespie |
| Forest Protection. | G. Bulloch |
| Lands | A. S. Currie |
| Reforestation | A. W. Chalk |
| Timber | J. F. Flowers |
| Scaling | C. J. Munro |

CHIEF RANGERS

| | |
|--------------------|----------|
| Skead | V. Bragg |
| Espanola | E. Morin |
| Sudbury | W. Wetow |

SWASTIKA DISTRICT

OFFICE: Swastika. Telephone Kirkland Lake 3090.

District Forester C. F. Coyne

SUPERVISORS

| | |
|-----------------------------|----------------|
| Accounts | H. Michiei |
| Fish and Wildlife | D. Waldriff |
| Biologist | W. H. Charlton |
| Forest Protection. | G. Barna |
| Lands | J. McDougall |
| Parks | H. Mattson |
| Reforestation | D. A. Scott |
| Timber. | F. Janser |
| Scaling | F. Thib |

CHIEF RANGERS

| | |
|--------------------|--------------|
| Elk Lake | W. A. Adair |
| Matheson | V. L. Wilson |
| Swastika. | H. Stuart |

NURSERY

| | |
|--------------------------|---------------|
| Superintendent | A. H. Peacock |
|--------------------------|---------------|

TWEED DISTRICT

OFFICE: Tweed. Telephone 361.

| | |
|---------------------------------------|--------------|
| District Forester | J. M. Taylor |
| Assistant District Forester | J. D. Hughes |

SUPERVISORS

| | |
|-----------------------------|-----------------|
| Accounts | W. H. Porch |
| Fish and Wildlife | H. S. Dornan |
| Biologist | R. E. Whitfield |
| Forest Protection. | McKinley Wilson |
| Lands | A. E. Beach |
| Parks | W. H. Cantelon |
| Timber | J. Keenan |
| Scaling | W. J. Everett |

CHIEF RANGERS

| | |
|-------------------|-----------------|
| Dacre | M. D. Mulvihill |
| Bancroft. | O. Goodman |
| Tweed | L. Fleguel |

WHITE RIVER DISTRICT

OFFICE: White River. Telephone 186.

| | |
|-----------------------------|-------------|
| District Forester | A. L. Dunne |
|-----------------------------|-------------|

SUPERVISORS

| | |
|-----------------------------|-----------------|
| Accounts | W. C. Johnstone |
| Fish and Wildlife | E. A. Pozzo |
| Forest Protection. | W. Kitt |
| Lands and Parks | J. Small |
| Reforestation | J. D. Griffiths |
| Timber | L. H. Eckel |
| Scaling | J. E. Rumney |

CHIEF RANGERS

| | |
|---------------------|--------------|
| Jamestown | C. Macdonald |
| Mobert | V. E. Niemi |

ONTARIO FOREST RANGER SCHOOL

Dorset. Telephone Roger 6-2242.

| | |
|--------------------|------------|
| Director. | Q. E. Hess |
| Accounts | J. Palmer |

INSTRUCTORS

E. Goodman
W. A. Morris
G. Pennock
W. P. Small
D. L. Lillow
W. E. Dickenson

NEW POLICIES

[illegible]

CORRECTIONS

[illegible]

RESEARCH BRANCH

The Forestry Act of 1927 gave formal recognition to the need for a research programme. A five-man Forestry Board, established under the Act, was composed of members of the Department, the University of Toronto and of forest industries. The recommendations of the Board led to the formation of a research group in the Forestry Branch of the Department in 1929. Five foresters were employed, two at Head Office and three in the field in the Districts of Sault Ste. Marie, Sudbury and North Bay. The depression of the 1930's and the reversal of government policy led to the dismissal of the group in 1935.

Research Branch (called Division until 1959) was established as part of a Department re-organization in 1941, but it was not until 1944 that a staff could be recruited and employed under a full-time Chief.

R. N. Johnston was appointed Chief on January 1st, 1944. He was appointed Director on October 1st, 1957.

Southern Research Station was established in 1944 near Maple where it provided a headquarters and laboratory space for the majority of the staff.

FORESTRY

Since 1944, field establishments for forest research have been set up in six of the seven Administrative Regions of the Province: at Port Arthur in the Mid-Western Region in 1947; Dorset, South-Central, 1950; Cochrane, Northern, 1951; Maple, South-Western, 1953; Tweed, South-Eastern, 1957; and at Sault Ste. Marie, Central, 1959. The Mid-Western Research Unit carries out some projects in the Western Region.

Forestry research units study the silvics of commercial tree species, and their reproduction and growth under various conditions, with the object of developing cultural practices which will ensure maximum production within economic limits.

A site research programme has been carried on since 1944 to provide a frame work for forest management by establishing ecological types-combinations of landform, soil, climate and forests. Eleven site regions have been established. Characteristic forest successions and production occur within every region.

The tree breeding programme, begun in 1946, has two main projects: the selection and propagation of superior strains of white pine resistant to blister rust and weevil; and fast-growing poplars of good form. More recently, smaller programmes have been started—two-needled pines in 1954, chestnuts in 1955, and white cedar in 1956.

RESEARCH BRANCH

Chief: R. N. JOHNSTON

Assistant Chief: A. P. LESLIE

Executive Officer: A. R. FENWICK

FISHERIES

K. H. LOFTUS

WILDLIFE

R. O. STANDFIELD

FORESTRY

D. H. BURTON

MECHANICS

M. H. BAKER

STATISTICS

T. W. DWIGHT

Forest mensuration studies are concerned with volume tables and tree growth. These studies were started in 1950, discontinued in 1956 and resumed in 1959.

In 1954, a research group was established to assist in the solution of forest nursery problems, of a technical nature, and of problems connected with the establishment and care of plantations.

SERVICE GROUPS

In 1944, a mechanical research and service section was organized to test, develop and improve equipment to meet the special needs of the Department.

In 1948, a start was made in the establishment of a small group for the development, investigation and analysis of statistical models and designs for research.

FISHERIES AND WILDLIFE

Research programmes in fisheries and wildlife were added in 1946 when the Department of Game and Fisheries was merged with the Department of Lands and Forests. Previously, such research had been limited to several wildlife projects in Provincial Parks.

Fisheries

In 1946, a fisheries research section was established to conduct studies directed towards an understanding of the causes of changes in the abundance of fish species from year to year, and towards the development of practical techniques for the Department's management staff. This work includes the development of improved hybrids and participation in sea lamprey control.

The Ontario Government had provided a laboratory on Lake Opeongo in Algonquin Provincial Park where the University of Toronto had carried out a fisheries research programme since 1937. The Department took over the laboratory in 1947 since when it has been used by both the Department and the University.

In 1947, fisheries experimental work was started at South Bay, Manitoulin Island. When completed in 1951, the Department's laboratory at South Baymouth became the headquarters for fisheries research on Lake Huron. Since then, field research has been extended to Lake Erie, Lake Ontario and Lake Superior. The Department's programme continues to emphasize Great Lakes fisheries research.

In 1948, provision was made for laboratory research work in freshwater biology by the construction of a laboratory of experimental limnology at Southern Research Station. Both the Department and the University of Toronto use the facilities under an agreement similar to that under which the Lake Opeongo laboratory is operated. Joint committees advise on research by the two organizations.

Commencing in 1953 with the employment of a physicist, a sizeable group had developed by the spring of 1959 to carry out a physical limnology programme on the Great Lakes. This group was disbanded by the Department in the summer of 1959, and the work was transferred to the University of Toronto.

Wildlife

In 1945, a wildlife research centre was established on a wilderness area in Algonquin Provincial Park.

In 1946, a wildlife section was established with headquarters at Southern Research Station to study factors determining the number and behaviour of mammals and birds, and the development of techniques for wildlife management. Ecological studies (on small animals and ruffed grouse) and deer censusing began.

Characteristically, the programme (as it has developed) has included investigations of big game (deer, moose and caribou), fur-bearing mammals (mainly beaver, marten and otter) and wolves. Other studies are concerned with diseases and parasites of birds, mammals and waterfowl.

In 1956, a programme was started to study the relationships between forests and wildlife—mainly forest damage caused by deer, rodents and hares.

CORRECTIONS

[illegible]

TIMBER BRANCH

The first timber sales in Ontario were made in 1826. Before that date, the only persons authorized to cut timber on Crown lands were contractors for the Royal Navy. In 1827, the system of selling timber licences at public auction was established. This system, requiring a lump-sum bonus price in addition to Crown dues, remained largely unchanged until 1903. From that year until 1924, timber sales were made on a basis of bid over and above Crown dues. (The bid was quoted in terms of thousand-foot board measure or other unit of measure.) The prices tendered above Crown dues and upset price were considered as bid price. This remains, in general, the basis of present sales.

From 1826 to 1867, an area of 12,000 square miles came under timber licence, providing a bonus of \$100,000. From Confederation until 1902, when the last lump-sum bonus sale was made, an additional 12,000 square miles were placed under licence. The average bonus on these sales was \$2,000 per square mile.

In 1935, the management of timber resources came under the control of the District Forester in every District. Previously, management had been the responsibility of Crown Timber Agents who dealt directly with Head Office.

The Ontario Rule was adopted in 1953. It replaced the Doyle Rule which had been recognized as the rule for measuring timber sales in Ontario since 1879.

The largest cut of red and white pine was 192 million cubic feet, cut in the fiscal year, 1908-09.

ORGANIZATION

In 1941, the Divisions of Timber Management and Reforestation were established under J. F. Sharpe and E. J. Zavitz, respectively, as Chiefs.

J. A. Brodie was appointed Chief of Timber on December 1st, 1957, at which time Timber and Reforestation were established as Branches in the newly named Division. Silviculture was established as a Branch in 1958. The Division was termed Branch and the Branches, Sections, in 1959.

TIMBER BRANCH

Chief: J. A. BRODIE

Assistant Chief: M. B. MORISON

REFORESTATION SECTION

Supervisor: R.W. Hummel

Tree Production and Distribution
Soil Amendment Programmes
Extension Forestry

SILVICULTURE SECTION

Supervisor: A.J. Herridge

Forest Inventory
Management Planning
Silviculture Operations

TIMBER SECTION

Supervisor: L. Ringham

Sales, Licensing
Stumpage Appraisal
Scaling

Office Management

Special Projects

FOREST RESOURCES INVENTORY

A survey of the exploitable forest resources of Ontario was begun in 1946 and completed in 1957 with the making of approximately 203,500 prints from aerial photographs covering 284,906 square miles.

In this continuous inventory, 66,900 square miles were re-photographed by the end of 1961.

REFORESTATION SECTION

Reforestation by the Ontario Government began in 1905 at Ontario Agricultural College in Guelph where a small number of seedlings were grown for transplanting on waste lands.

The nursery was moved to St. Williams when the first Forest Station was established there in 1908 by the Ontario Forestry Branch.

Across five decades, the steady development of the reforestation programme and the recognition of its importance was largely due to Dr. E. J. Zavitz, Provincial Forester and, in 1941, Chief of Reforestation.

The main purpose of Reforestation Section is the planting of trees on Crown lands and managed forests where natural regeneration is not successful.

The Section also provides trees and technical advice to private landowners to encourage the growth and sound management of woodlots.

VOLUME OF WOOD CUT BY SPECIES — 000's cubic feet in years ending March 31st

| SPECIES | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 |
|------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| SOFTWOODS | | | | | | | | | | |
| Balsam..... | 15,146 | 11,563 | 15,003 | 13,802 | 9,418 | 12,547 | 16,057 | 11,860 | 13,223 | 14,093 |
| Cedar..... | 77 | 139 | 180 | 126 | 127 | 96 | 234 | 197 | 97 | 738 |
| Hemlock..... | 5,462 | 5,731 | 5,272 | 6,299 | 5,753 | 6,679 | 8,933 | 5,808 | 4,368 | 3,872 |
| Jack Pine..... | 62,712 | 78,964 | 85,545 | 81,862 | 58,175 | 85,604 | 108,859 | 81,644 | 75,488 | 81,779 |
| R and W Pine.. | 30,550 | 25,614 | 26,315 | 30,459 | 25,586 | 30,605 | 34,334 | 34,562 | 27,612 | 30,528 |
| Spruce..... | 193,286 | 188,645 | 208,678 | 174,652 | 134,310 | 207,318 | 251,831 | 155,873 | 163,447 | 175,666 |
| Tamarack..... | 7 | 4 | 7 | 16 | 10 | 7 | 10 | 12 | 16 | 25 |
| Fuelwood..... | 944 | 1,185 | 1,951 | 1,546 | 719 | 673 | 4,677 | 3,396 | 2,354 | 3,001 |
| Others..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 22 |
| HARDWOODS | | | | | | | | | | |
| Birch..... | 3,214 | 4,092 | 4,764 | 5,541 | 6,303 | 6,679 | 7,892 | 8,623 | 8,589 | 7,506 |
| Maple..... | 1,527 | 1,797 | 2,053 | 2,499 | 1,976 | 2,361 | 3,592 | 3,043 | 2,207 | 2,265 |
| Poplar..... | 6,087 | 14,190 | 11,576 | 13,653 | 6,036 | 12,478 | 22,049 | 14,272 | 15,756 | 12,955 |
| Fuelwood..... | 836 | 1,020 | 1,652 | 1,054 | 1,166 | 568 | 1,530 | 1,577 | 1,293 | 1,802 |
| Others..... | 964 | 580 | 1,755 | 1,061 | 1,148 | 1,145 | 1,335 | 968 | 691 | 552 |
| TOTALS | | | | | | | | | | |
| Softwoods..... | 308,184 | 311,845 | 342,951 | 308,761 | 234,098 | 343,530 | 424,936 | 293,352 | 286,605 | 309,724 |
| Hardwoods..... | 12,628 | 21,679 | 21,780 | 23,807 | 16,628 | 23,231 | 36,398 | 28,483 | 28,536 | 25,081 |
| All Species... | 320,812 | 333,524 | 364,751 | 332,568 | 250,727 | 366,761 | 461,334 | 321,835 | 315,141 | 334,806 |
| Total Value... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 10,428 | 10,756 | 11,473 |
| (\$000's export levy not included) | | | | | | | | | | |

VOLUME OF WOOD CUT BY SPECIES — 000's cubic feet in years ending March 31st

| SPECIES | 1956 | 1957 | 1958 | 1959 | 1960 |
|-------------------------------------|---------|---------------|---------------|---------------|---------|
| SOFTWOODS | | | | | |
| Balsam..... | 14,374 | 13,766 | 12,213 | 10,988 | 13,051 |
| Cedar..... | 459 | 284 | 711 | 280 | 268 |
| Hemlock..... | 5,321 | 5,050 | 2,567 | 3,046 | 3,768 |
| Jack Pine..... | 86,664 | 99,997 | 78,225 | 68,415 | 78,243 |
| Red Pine..... | 8,070 | 6,150 | 4,989 | 3,581 | 6,188 |
| White Pine.... | 25,609 | 26,171 | 20,249 | 18,025 | 22,300 |
| Spruce..... | 205,320 | 207,392 | 180,006 | 157,544 | 186,920 |
| Tamarack..... | 102 | 56 | 64 | 25 | 26 |
| Xmas Trees.... | 32 | 22 | 8 | 11 | 3 |
| Fuelwood..... | 2,401 | 2,536 | 2,359 | 2,338 | 1,525 |
| HARDWOODS | | | | | |
| Ash..... | 42 | 46 | 72 | 63 | 83 |
| Basswood..... | 434 | 295 | 274 | 319 | 365 |
| Beech..... | 138 | 160 | 136 | 131 | 273 |
| White Birch.... | 447 | 1,314 | 1,458 | 1,339 | 1,426 |
| Yellow Birch.. | 6,990 | 6,312 | 7,173 | 6,165 | 7,397 |
| Butternut..... | ... | $\frac{1}{2}$ | $\frac{1}{2}$ | $\frac{1}{2}$ | 1 |
| Cherry..... | 14 | 18 | 12 | 15 | 27 |
| Elm..... | 194 | 160 | 192 | 196 | 256 |
| Maple..... | 4,441 | 3,989 | 4,261 | 3,639 | 4,851 |
| Oak..... | 103 | 109 | 133 | 127 | 177 |
| Poplar..... | 16,921 | 19,244 | 20,205 | 17,729 | 19,773 |
| Fuelwood..... | 1,813 | 1,982 | 1,532 | 1,630 | 1,219 |
| TOTALS | | | | | |
| Softwoods..... | 348,352 | 361,424 | 301,390 | 264,253 | 312,292 |
| Hardwoods..... | 31,536 | 33,630 | 35,448 | 31,355 | 35,847 |
| All Species... | 379,888 | 395,054 | 336,838 | 295,608 | 348,140 |
| Total Value... | 12,039 | 13,363 | 11,412 | 10,155 | 11,824 |
| (\$000's, export levy not included) | | | | | |

TIMBER CUT IN DISTRICTS in 000's cubic feet and \$000's in year ending March 31st, 1960

| DISTRICT | Permits Issued | Ontario Scale | Doyle Scale | Sawlogs | *Boom Timber | Pulpwood | Fuelwood | †Christmas Trees | Misc. | Total Volume | Dues | Bonus | Value |
|------------------|-------------------|------------------|----------------|---------|-----------------|----------|----------|---------------------|-------|-----------------|--------|-------|--------|
| Chapleau..... | 148 | 1,302 | ... | 6,484 | 47 | 10,171 | 189 | .... | ... | 18,193 | \$ 430 | \$ 55 | \$ 486 |
| Cochrane..... | 445 | 1,266 | ... | 297 | 49 | 32,870 | 357 | 215 | 24 | 34,970 | 1,056 | 182 | 1,238 |
| Fort Frances.... | 203 | 1,207 | 7 | 137 | 27 | 11,138 | 42 | 5,061 | 12 | 12,569 | 287 | 59 | 346 |
| Geraldton..... | 244 | ..... | ... | 1,483 | 471 | 62,582 | 248 | .... | 68 | 65,376 | 1,833 | 130 | 1,963 |
| Gogama..... | 67 | 6,199 | ... | 321 | 182 | 7,584 | 74 | .... | ... | 14,360 | 358 | 98 | 457 |
| Kapuskasing..... | 989 | 698 | ... | 6,573 | 126 | 37,999 | 278 | .... | 23 | 45,697 | 1,424 | 349 | 1,773 |
| Kenora..... | 363 | 661 | 54 | 769 | 120 | 24,558 | 47 | 425 | 82 | 26,291 | 733 | 101 | 834 |
| Lindsay..... | 50 | 1,804 | ... | .... | 1 | 304 | 29 | .... | 2 | 2,140 | 44 | 36 | 80 |
| Maple..... | 9 | 10 | ... | .... | ... | .... | 5 | .... | ... | 15 | .... | 1 | 1 |
| North Bay..... | 420 | 12,709 | ... | 3 | 171 | 2,666 | 131 | .... | 44 | 15,723 | 367 | 376 | 744 |
| Parry Sound..... | 340 | 4,376 | ... | .... | 26 | 710 | 277 | 35 | 2 | 5,435 | 115 | 126 | 241 |
| Pembroke..... | 89 | 10,438 | ... | .... | 549 | 815 | 21 | .... | 7 | 11,830 | 281 | 345 | 626 |
| Port Arthur..... | 321 | 250 | ... | 8,634 | 563 | 22,678 | 38 | 50 | ... | 30,367 | 861 | 177 | 1,038 |
| Sault Ste. Marie | 127 | 11,758 | ... | 1 | 32 | 1,101 | 47 | .... | 5 | 12,944 | 338 | 347 | 685 |
| Sioux Lookout... | 229 | 2,197 | 57 | 946 | 737 | 13,850 | 470 | .... | 53 | 18,312 | 538 | 49 | 587 |
| Sudbury..... | 359 | 1,051 | ... | 965 | 48 | 1,949 | 196 | .... | 40 | 4,250 | 103 | 45 | 148 |
| Swastika..... | 428 | 5,208 | ... | 2,651 | 90 | 3,196 | 256 | .... | 85 | 12,047 | 271 | 159 | 431 |
| Tweed..... | 198 | 3,407 | ... | .... | 243 | 1,705 | 14 | 343 | 2 | 5,371 | 96 | 101 | 197 |
| White River.... | 67 | 31 | ... | 1,532 | 17 | 10,616 | 26 | .... | 28 | 12,251 | 356 | 52 | 408 |
| TOTAL..... | 5,096 | 64,571 | 118 | 28,795 | 3,499 | 246,493 | 2,744 | 6,129 | 477 | 348,140 | 9,493 | 2,789 | 12,282 |

* Boom timber, pilings, poles, boom and dimension timber.

† Number of trees, averaging 1/2 cubic feet, each.

TIMBER CUT IN ONTARIO in 000's Cubic Feet and \$000's in years ending March 31st

| Year | Permits Issued | Ontario Scale | Doyle Scale | Sawlogs | *Boom Timber | Pulpwood | Fuel- wood | †Christmas Trees | Misc. | Total Volume | Dues | Bonus | Value |
|------|-------------------|------------------|----------------|---------|-----------------|----------|---------------|---------------------|-------|-----------------|----------|---------|----------|
| 1954 | ..... | 46,025 | 25,267 | 12,119 | 851 | 225,659 | 3,647 | 27,430 | 1,574 | 315,141 | \$ 8,581 | \$2,175 | \$10,756 |
| 1955 | ..... | 61,493 | 5,826 | 12,029 | 2,378 | 245,988 | 4,804 | 43,330 | 2,288 | 334,806 | 9,135 | 2,523 | 11,658 |
| 1956 | 5,403 | 77,087 | 352 | 33,326 | 2,259 | 262,146 | 4,214 | 64,325 | 505 | 379,888 | 9,619 | 2,573 | 12,191 |
| 1957 | 5,192 | 73,986 | 239 | 22,967 | 2,781 | 289,985 | 4,517 | 44,945 | 579 | 395,054 | 10,740 | 2,774 | 13,514 |
| 1958 | 5,051 | 55,938 | 106 | 27,762 | 2,796 | 245,161 | 3,891 | 16,106 | 1,184 | 336,838 | 8,987 | 2,578 | 11,565 |
| 1959 | 5,421 | 51,470 | 21 | 28,687 | 2,644 | 207,003 | 3,968 | 22,655 | 1,170 | 295,608 | 7,950 | 2,346 | 10,297 |
| 1960 | 5,096 | 64,571 | 118 | 28,795 | 3,499 | 246,493 | 2,744 | 6,129 | 477 | 348,140 | 9,493 | 2,789 | 12,282 |

MANAGEMENT UNITS as of March 31st

| Year | COMPANY | | CROWN | | TOTAL | |
|------|---------|---------|-------|---------|-------|---------|
| | No. | Sq. Mi. | No. | Sq. Mi. | No. | Sq. Mi. |
| 1954 | 36 | ..... | 87 | ..... | 123 | ..... |
| 1955 | 36 | ..... | 81 | ..... | 117 | ..... |
| 1956 | 39 | 78,382 | 82 | ..... | 121 | ..... |
| 1957 | 41 | 78,837 | 80 | 129,551 | 121 | 208,388 |
| 1958 | 43 | 85,034 | 81 | 125,397 | 124 | 210,431 |
| 1959 | 48 | 89,754 | 77 | 120,165 | 125 | 210,919 |
| 1960 | 101 | 100,408 | 72 | 83,294 | 173 | 183,702 |
| 1961 | 79 | 96,983 | 76 | 83,900 | 155 | 180,883 |

STAND IMPROVEMENT — Acreage treated in years ending March 31st

| OPERATIONS | 1957 | 1958 | 1959 | 1960 | 1961 |
|---------------------|--------|--------|--------|--------|--------|
| Scarification..... | 8,709 | 6,704 | 9,000 | 8,824 | 4,247 |
| Clearing..... | ..... | ..... | ..... | ..... | 238 |
| Cleaning..... | 3,254 | 6,980 | 2,507 | 1,745 | 4,970 |
| Brush Control..... | 1,038 | 4,057 | 8,562 | 179 | 39 |
| Thinning..... | 785 | 2,225 | 550 | 225 | 1,158 |
| Pruning..... | ..... | ..... | ..... | 76 | 4,080 |
| Xmas Tree Culture.. | ... | ..... | ... | .. | 706 |
| Improvement Cutting | 1,776 | 1,510 | ... | .... | 2,525 |
| Girdling..... | .... | .... | .... | 772 | 2,464 |
| Frilling, Poisoning | .... | .... | .... | .... | 448 |
| Tree Marking..... | 2,630 | .... | .... | .... | 3,328 |
| Harvest Cutting.... | .... | .... | .... | 406 | 425 |
| TOTAL..... | 18,192 | 21,476 | 20,619 | 12,227 | 24,628 |

LICENSED AREAS, 1947-1954

| Year | Number of Licences | Timber Licences Area | Pulpwood and Timber Agreements | Area Licensed (sq. mi.) |
|-----------|-----------------------|----------------------------|--------------------------------------|-------------------------------|
| 1947..... | 906 | 11,710 | 56,745 | 68,455 |
| 1948..... | 945 | 12,095 | 66,254 | 78,349 |
| 1949..... | 906 | 11,975 | 66,980 | 78,955 |
| 1950..... | 849 | 11,913 | 69,860 | 81,773 |
| 1951..... | 811 | 10,810 | 74,257 | 85,067 |
| 1952..... | 815 | 10,892 | 83,316 | 94,208 |
| 1953..... | 793 | 10,802 | 87,007 | 97,809 |
| 1954..... | 763 | 11,292 | 87,007 | 98,299 |

TIMBER LICENCES as of March 31st (Areas in square miles)

| Year | Number of Licences | Area Under Section 2 | Area Under Section 3 | Area Under Section 4 | Total Area Licensed |
|------|-----------------------|----------------------------|----------------------------|----------------------------|---------------------------|
| 1955 | 731 | 6,435.50 | 85,075.40 | 21.10 | 91,532.00 |
| 1956 | 748 | 6,140.05 | 88,273.71 | 170.26 | 94,585.02 |
| 1957 | 604 | 5,600.65 | 89,952.49 | 200.94 | 95,754.08 |
| 1958 | 586 | 5,354.80 | 98,149.46 | 181.33 | 103,685.59 |
| 1959 | 569 | 4,520.62 | 99,612.16 | 199.90 | 104,332.68 |
| 1960 | 573 | 4,206.22 | 99,818.60 | 186.98 | 104,211.80 |
| 1961 | 569 | 3,647.71 | 99,103.39 | 137.79 | 102,888.89 |

MILLS LICENSED 1947-1954

| Year | Sawmills Under 5M Feet | Sawmills 5M To 30M Feet | Sawmills Over 30M Feet | Pulp Mills And/Or Paper Mills |
|-----------|------------------------------|-------------------------------|------------------------------|-------------------------------------|
| 1947..... | 506 | 655 | 42 | 35 |
| 1948..... | 544 | 661 | 49 | 35 |
| 1949..... | 562 | 681 | 40 | 35 |
| 1950..... | 597 | 713 | 43 | 35 |
| 1951..... | 667 | 682 | 53 | 35 |
| 1952..... | 640 | 676 | 58 | 35 |
| 1953..... | 624 | 681 | 58 | 31 |
| 1954..... | 631 | 642 | 56 | 29 |

MILLS LICENSED as of March 31st

| Year | Sawmills Under 10,000 ft. Daily Capacity | Sawmills From 10-50,000 ft. Daily Capacity | Sawmills Over 50,000 ft. Daily Capacity | Pulp Mills and or Paper Mills | Total of Mills Licensed |
|------|--|--|---|--|-------------------------------|
| 1955 | 1,120 | 159 | 58 | 29 | 1,366 |
| 1956 | 1,115 | 162 | 59 | 29 | 1,365 |
| 1957 | 1,120 | 160 | 57 | 29 | 1,366 |
| 1958 | 1,124 | 158 | 57 | 29 | 1,368 |
| 1959 | 1,120 | 135 | 54 | 29 | 1,338 |
| 1960 | 646 | 129 | 23 | 24 | 822 |
| 1961 | 668 | 121 | 27 | 24 | 840 |

REFORESTATION ESTABLISHMENTS

As at March 31st, 1961

SEED PLANTS YEAR ESTABLISHED

| | |
|--------------------|------|
| Angus | 1923 |
| St. Williams | 1908 |

NURSERIES

| | |
|------------------------|------|
| Chapleau | 1956 |
| Dryden | 1958 |
| Englehart | 1955 |
| Fort William | 1946 |
| Gogama | 1956 |
| Kemptville | 1946 |
| Midhurst | 1922 |
| North Bay | 1954 |
| Orono | 1922 |
| Sault Ste. Marie | 1956 |
| St. Williams | 1908 |
| Swastika | 1958 |
| White River | 1956 |

DEMONSTRATION FORESTS

| | |
|--------------------------------------|------|
| Angus | 1923 |
| Bloomfield (Sand Banks Forest) | 1920 |
| Elizabethville (Prouse Forest) | 1946 |
| Fort William | 1946 |
| Kemptville | 1946 |
| Midhurst | 1922 |
| Orono | 1922 |
| St. Thomas (McKay Forest) | 1940 |
| St. Williams | 1908 |
| Speyside | 1942 |

* DISPOSITION OF NURSERY STOCK

| | |
|--|-------------------|
| Planted on Crown Lands | 31,564,608 |
| Planted in Forests Managed by the Minister | 4,065,785 |
| Supplied to Owners of Private Lands | 13,708,050 |
| Education and Scientific Purposes | 12,057 |
| Miscellany, Departmental Exhibits, etc | 227,912 |
| Stored at Planting Sites, etc | 255,000 |
| TOTAL | 49,833,412 |

* In year ended March 31st, 1961.

FOREST TREE PRODUCTION BY DEPARTMENT NURSERIES

| PERIOD | NO. OF TREES |
|----------------|--------------|
| 1905-1912..... | 1,480,539 |
| 1913-1925..... | 13,096,866 |
| 1925-1926..... | 4,433,409 |
| 1926-1927..... | 7,104,319 |
| 1927-1928..... | 11,138,985 |
| 1928-1929..... | 12,789,568 |
| 1929-1930..... | 11,175,894 |
| 1930-1931..... | 11,846,920 |
| 1931-1932..... | 10,303,569 |
| 1932-1933..... | 9,422,463 |
| 1933-1934..... | 9,760,730 |
| 1934-1935..... | 10,663,155 |
| 1935-1936..... | 10,109,772 |
| 1936-1937..... | 11,261,644 |
| 1937-1938..... | 12,339,993 |
| 1938-1939..... | 16,921,906 |
| 1938-1940..... | 17,266,697 |
| 1940-1941..... | 13,511,299 |
| 1941-1942..... | 11,303,187 |
| 1942-1943..... | 10,522,917 |
| 1943-1944..... | 10,999,379 |
| 1944-1945..... | 11,280,981 |
| 1945-1946..... | 13,175,575 |
| 1946-1947..... | 12,269,533 |
| 1947-1948..... | 13,049,776 |
| 1948-1949..... | 17,700,970 |
| 1949-1950..... | 19,027,807 |
| 1951-1952..... | 20,749,268 |
| 1952-1953..... | 24,241,754 |
| 1953-1954..... | 23,448,860 |
| 1954-1955..... | 25,519,383 |
| 1955-1956..... | 28,351,483 |
| 1956-1957..... | 31,081,112 |
| 1957-1958..... | 25,854,262 |
| 1958-1959..... | 33,414,110 |
| 1959-1960..... | 41,682,125 |
| 1960-1961..... | 49,833,412 |
| TOTAL..... | 618,133,622 |

TREES PLANTED ON CROWN LANDS in years ending March 31st

| DISTRICT | 1957 | 1958 | 1959 | 1960 | 1961 | 1953-61 |
|--------------------|------------|-----------|------------|------------|------------|-------------|
| Aylmer..... | 69,123 | 188,177 | 828,616 | 70,598 | 97,633 | 1,509,942 |
| Chapleau..... | 1,004,100 | 789,600 | 1,751,000 | 3,037,004 | 3,568,850 | 10,950,994 |
| Cochrane..... | 791,800 | 525,118 | 1,028,400 | 1,176,842 | 2,077,248 | 6,719,970 |
| Fort Frances..... | 535,000 | 629,800 | 675,715 | 555,939 | 993,000 | 3,558,254 |
| Geraldton..... | 224,600 | 363,180 | 623,015 | 1,112,500 | 1,816,450 | 4,309,970 |
| Gogama..... | 330,231 | 400,000 | 1,000,250 | 2,875,000 | 3,283,400 | 8,018,947 |
| Hespeir..... | 64,912 | 40,210 | 19,460 | 7,015 | 53,950 | 286,060 |
| Kapuskasing..... | 626,425 | 461,100 | 884,100 | 1,237,600 | 1,308,759 | 4,967,884 |
| Kemptville..... | 168,088 | 12,192 | 54,505 | 104,967 | 170,077 | 704,977 |
| Kenora..... | 252,200 | 243,600 | 383,760 | 453,800 | 518,612 | 2,073,922 |
| Lindsay..... | 929,760 | 709,165 | 500,000 | 694,397 | 829,392 | 4,768,373 |
| Maple..... | 311,817 | 205,713 | 510,813 | 468,273 | 504,163 | 3,421,216 |
| North Bay..... | 189,900 | 196,025 | 322,077 | 703,111 | 1,051,694 | 3,124,822 |
| Parry Sound..... | 1,188,600 | 672,984 | 918,200 | 908,050 | 1,142,080 | 8,101,438 |
| Pembroke..... | 1,239,300 | 598,965 | 991,948 | 771,835 | 1,139,875 | 7,293,848 |
| Port Arthur..... | 783,799 | 1,036,628 | 796,700 | 953,600 | 1,960,575 | 6,371,224 |
| Sault Ste. Marie.. | 1,474,375 | 854,840 | 1,747,117 | 2,760,000 | 3,534,145 | 13,183,574 |
| Sioux Lookout..... | 104,000 | 120,000 | 150,000 | 225,796 | 300,000 | 988,496 |
| Sudbury..... | 384,050 | 305,217 | 533,415 | 1,643,147 | 2,374,314 | 5,674,822 |
| Swastika..... | 803,050 | 747,105 | 991,110 | 1,402,721 | 1,925,343 | 6,718,649 |
| Tweed..... | 938,195 | 486,924 | 882,000 | 1,075,653 | 1,268,600 | 5,916,786 |
| White River..... | 73,450 | 209,625 | 455,000 | 1,130,000 | 1,575,125 | 3,507,735 |
| Toronto..... | ..... | 5,863 | 23,997 | ..... | ..... | 30,160 |
| Ranger School..... | 13,000 | 10,100 | 9,500 | 23,000 | ..... | 66,100 |
| Unclassified..... | ..... | ..... | ..... | 57,270 | 71,323 | 128,593 |
| TOTAL..... | 12,499,755 | 9,812,131 | 16,080,698 | 23,448,118 | 31,564,608 | 112,396,736 |
| Acres Planted..... | ..... | ..... | ..... | 43,137 | 54,875 | ..... |

TREES PLANTED ON FORESTS MANAGED BY THE MINISTER in years ending March 31st

| CONSERVATION AUTHORITY | 1957 | 1958 | 1959 | 1960 | 1961 | 1953-1961 |
|------------------------|-----------|---------|-----------|-----------|-----------|-----------|
| Ausable River..... | 100,675 | 159,900 | 93,000 | 284,200 | 254,360 | 1,139,385 |
| Big Creek Region... | 66,000 | 20,600 | 14,000 | 25,800 | 22,600 | 217,475 |
| Ganaraska River... | 165,600 | 209,000 | 190,250 | 257,950 | 376,500 | 2,257,480 |
| Grand Valley..... | 221,000 | 193,050 | 388,600 | 230,950 | 502,250 | 1,719,350 |
| Toronto & Region... | 128,800 | 44,700 | 73,000 | 22,000 | 139,750 | 808,725 |
| Middle Maitland... | 13,925 | 37,800 | 14,000 | 20,000 | 62,500 | 160,005 |
| Moirs River..... | 74,000 | 99,400 | 100,000 | 96,200 | 175,200 | 756,245 |
| Napanee Valley..... | ..... | ..... | ..... | ..... | ..... | 20,000 |
| Neebing Valley.... | ..... | ..... | 1,500 | 11,500 | 60,000 | 73,000 |
| North Grey Region. | ..... | ..... | 75,000 | 94,800 | 169,000 | 338,800 |
| Otter Creek..... | ..... | ..... | ..... | 3,200 | 13,000 | 16,200 |
| Sauble Valley..... | ..... | ..... | ..... | ..... | 94,000 | 94,000 |
| Saugeen Valley.... | 198,950 | 100,000 | 287,600 | 200,300 | 137,500 | 1,297,150 |
| Upper Thames River | 159,350 | 56,000 | 71,850 | 21,600 | 20,600 | 611,550 |
| SUB-TOTAL..... | 1,128,300 | 920,450 | 1,308,800 | 1,268,500 | 2,027,260 | 9,508,965 |
| TOWNSHIP | | | | | | |
| Bonfield..... | ..... | ..... | ..... | ..... | ..... | 62,500 |
| Chapple..... | ..... | ..... | 10,175 | 41,200 | ..... | 51,375 |
| Charlottenburgh... | 10,250 | ..... | ..... | ..... | 25,000 | 35,250 |
| Cumberland..... | 25,000 | 25,000 | ..... | ..... | ..... | 129,000 |
| Emo..... | ..... | ..... | 9,725 | ..... | ..... | 9,725 |
| Galway, Cavendish. | ..... | ..... | ..... | 18,775 | 12,025 | 95,775 |
| Marlborough..... | 88,950 | 58,900 | ..... | 27,000 | 4,475 | 294,275 |
| Torbolton..... | 60,375 | 32,000 | 10,000 | 50,500 | ..... | 481,625 |
| SUB-TOTAL..... | 184,575 | 115,900 | 29,900 | 137,475 | 41,500 | 1,171,550 |

| | | | | | | | |
|---------------------------------------|------------|------------|------------|------------|-------|------------|-------------|
| Brant..... | 11,450 | ..... | ..... | ..... | ..... | ..... | 11,450 |
| Bruce..... | 136,050 | 70,000 | ..... | 87,000 | ..... | 99,000 | 1,203,200 |
| Dufferin..... | 10,000 | 1,500 | 10,000 | 33,500 | ..... | 1,500 | 117,900 |
| Grey..... | 276,500 | 232,500 | 184,200 | 182,799 | ..... | 40,500 | 1,646,249 |
| Halton..... | 36,700 | 12,800 | 14,000 | 26,500 | ..... | 4,500 | 174,250 |
| Huron..... | 10,000 | 59,000 | 114,100 | 72,000 | ..... | 85,700 | 455,320 |
| Kent..... | 10,000 | ..... | ..... | ..... | ..... | ..... | 26,200 |
| Lanark..... | 35,925 | ..... | ..... | ..... | ..... | 171,000 | 265,675 |
| Leeds & Grenville. | 228,650 | 195,600 | 225,300 | 336,000 | ..... | 102,000 | 1,683,050 |
| Lennox & Addington | 60,000 | ..... | ..... | ..... | ..... | 12,800 | 156,725 |
| Middlesex..... | 7,000 | ..... | 48,000 | 19,350 | ..... | 8,000 | 153,800 |
| Northumberland and Durham..... | ..... | 66,000 | 96,750 | 61,050 | ..... | 94,500 | 1,100,313 |
| Ontario..... | 20,000 | 17,100 | 9,000 | 84,500 | ..... | 12,000 | 163,250 |
| Oxford..... | 26,600 | ..... | 8,000 | 27,000 | ..... | 44,000 | 149,250 |
| Prescott & Russell | 1,125,108 | 956,613 | 1,132,590 | 1,093,930 | ..... | 767,600 | 8,838,286 |
| Renfrew..... | 30,000 | 24,000 | 18,000 | ..... | ..... | 40,000 | 179,100 |
| Simcoe..... | 349,950 | 333,400 | 499,200 | 345,500 | ..... | 193,500 | 2,805,525 |
| Stormont, Dundas and Glengarry.... | 34,500 | 10,000 | ..... | 66,000 | ..... | 105,000 | 713,525 |
| Victoria..... | 14,600 | 129,247 | 193,000 | 138,225 | ..... | 85,475 | 745,047 |
| Waterloo..... | 113,200 | 13,500 | 19,500 | 95,000 | ..... | ..... | 327,100 |
| Wentworth..... | 86,800 | 86,500 | 127,600 | ..... | ..... | 55,700 | 702,400 |
| York..... | 108,200 | 23,200 | 1,000 | 18,500 | ..... | 74,250 | 387,250 |
| SUB-TOTAL..... | 2,731,233 | 2,230,960 | 2,770,940 | 2,708,154 | ..... | 1,997,025 | 22,026,165 |
| TOTAL..... | 4,044,108 | 3,267,310 | 4,109,640 | 4,114,129 | ..... | 4,065,785 | 32,706,680 |
| ACRES PLANTED..... | ..... | ..... | ..... | 5,882 | ..... | 6,739 | ..... |
| Department Totals | | | | | | | |
| TREES PLANTED..... | 16,543,863 | 13,079,441 | 20,190,338 | 27,562,247 | ..... | 35,630,393 | 145,103,416 |
| ACRES PLANTED..... | ..... | ..... | ..... | 49,019 | ..... | 61,614 | ..... |

TREES SUPPLIED FOR PLANTING ON PRIVATE LANDS in years ending March 31st

| COUNTY OR DISTRICT | 1957 | 1958 | 1959 | 1960 | 1961 | 1953-61 |
|--------------------|-----------|-----------|---------|---------|---------|-----------|
| Algoma..... | 239,350 | 316,525 | 387,525 | 426,425 | 281,950 | 2,353,025 |
| Brant..... | 243,950 | 105,775 | 120,350 | 161,450 | 140,425 | 1,285,575 |
| Bruce..... | 121,625 | 162,100 | 165,675 | 143,050 | 156,400 | 1,328,065 |
| Carleton..... | 106,425 | 157,175 | 180,500 | 148,275 | 145,125 | 1,124,725 |
| Cochrane..... | 11,600 | 8,200 | 1,800 | 17,800 | 54,550 | 130,700 |
| Dufferin..... | 1,191,975 | 594,375 | 784,725 | 471,000 | 877,600 | 5,812,025 |
| Dundas..... | 36,800 | 43,225 | 24,050 | 52,925 | 86,425 | 367,550 |
| Durham..... | 1,294,825 | 1,078,025 | 692,400 | 729,450 | 544,475 | 8,726,325 |
| Elgin..... | 216,650 | 125,775 | 117,275 | 146,875 | 220,425 | 1,511,725 |
| Essex..... | 40,525 | 34,650 | 44,500 | 73,300 | 56,325 | 427,175 |
| Frontenac..... | 77,475 | 76,500 | 117,925 | 171,025 | 138,200 | 787,650 |
| Glengarry..... | 15,025 | 12,825 | 86,675 | 43,400 | 78,900 | 288,200 |
| Grenville..... | 56,700 | 62,650 | 79,550 | 133,925 | 217,575 | 773,275 |
| Grey..... | 569,955 | 590,375 | 695,150 | 753,825 | 710,825 | 5,107,030 |
| Haldimand..... | 52,725 | 25,000 | 50,425 | 84,025 | 111,625 | 527,725 |
| Haliburton..... | 162,825 | 174,525 | 166,200 | 147,300 | 119,050 | 1,134,250 |
| Halton..... | 164,700 | 150,650 | 209,175 | 200,200 | 241,125 | 1,937,400 |
| Hastings..... | 498,500 | 301,425 | 327,725 | 446,000 | 433,125 | 2,886,950 |
| Huron..... | 282,000 | 252,175 | 256,850 | 250,750 | 276,025 | 2,233,795 |
| Kenora..... | 13,850 | 8,100 | 12,950 | 8,625 | 13,975 | 95,225 |
| Kent..... | 119,175 | 70,575 | 108,600 | 105,825 | 75,650 | 833,300 |
| Lambton..... | 113,475 | 118,950 | 111,000 | 161,375 | 134,175 | 1,167,800 |
| Lanark..... | 146,775 | 178,950 | 203,800 | 212,825 | 179,625 | 1,394,775 |
| Leeds..... | 48,300 | 44,900 | 74,050 | 93,900 | 123,050 | 599,875 |
| Lennox & Addington | 103,200 | 126,400 | 120,750 | 172,325 | 92,825 | 805,500 |

| | | | | | | |
|--------------------|------------|------------|------------|------------|------------|-------------|
| Lincoln..... | 48,350 | 32,800 | 71,900 | 57,025 | 28,925 | 391,700 |
| Manitoulin..... | 309,650 | 151,300 | 59,700 | 61,325 | 50,375 | 983,925 |
| Middlesex..... | 237,650 | 135,825 | 174,450 | 147,100 | 301,125 | 1,623,600 |
| Muskoka..... | 564,575 | 511,700 | 422,375 | 483,475 | 288,150 | 4,154,975 |
| Nipissing..... | 159,200 | 205,975 | 139,800 | 149,250 | 91,175 | 1,314,600 |
| Norfolk..... | 281,550 | 287,100 | 282,775 | 312,200 | 317,125 | 2,247,550 |
| Northumberland.... | 388,675 | 269,275 | 279,650 | 317,650 | 255,550 | 2,815,475 |
| Ontario..... | 510,475 | 528,075 | 548,225 | 675,075 | 652,550 | 4,732,025 |
| Oxford..... | 127,000 | 102,700 | 179,450 | 146,925 | 119,625 | 1,336,175 |
| Parry Sound..... | 909,600 | 771,325 | 722,275 | 556,375 | 450,600 | 6,067,100 |
| Peel..... | 320,275 | 349,175 | 510,475 | 353,275 | 414,050 | 3,146,475 |
| Perth..... | 133,550 | 47,500 | 81,850 | 157,150 | 53,550 | 802,800 |
| Peterborough..... | 241,425 | 212,250 | 196,690 | 162,725 | 123,700 | 1,685,640 |
| Prescott..... | 78,275 | 53,800 | 93,300 | 75,500 | 747,025 | 1,169,925 |
| Prince Edward..... | 17,975 | 9,675 | 18,600 | 21,350 | 51,525 | 182,375 |
| Rainy River..... | 36,250 | 20,100 | 154,925 | 179,700 | 140,425 | 544,250 |
| Renfrew..... | 264,200 | 324,100 | 346,875 | 386,675 | 389,875 | 2,608,175 |
| Russell..... | 47,125 | 54,150 | 38,825 | 150,400 | 165,875 | 515,300 |
| Sincoe..... | 1,755,850 | 1,710,525 | 1,312,420 | 1,444,225 | 1,085,925 | 13,827,870 |
| Stormont..... | 12,000 | 9,000 | 19,250 | 29,800 | 115,225 | 254,600 |
| Sudbury..... | 80,875 | 89,250 | 182,200 | 111,425 | 169,700 | 897,175 |
| Thunder Bay..... | 99,525 | 175,850 | 240,200 | 254,850 | 271,075 | 1,775,100 |
| Timiskaming..... | 42,050 | 47,525 | 9,300 | 23,450 | 17,700 | 200,675 |
| Victoria..... | 176,275 | 188,974 | 130,075 | 168,175 | 129,800 | 1,571,449 |
| Waterloo..... | 262,500 | 196,075 | 258,825 | 248,525 | 176,975 | 1,838,850 |
| Welland..... | 109,250 | 93,375 | 131,350 | 138,550 | 134,175 | 1,064,800 |
| Wellington..... | 306,250 | 485,950 | 339,550 | 525,100 | 224,800 | 3,687,725 |
| Wentworth..... | 281,325 | 198,650 | 263,925 | 348,650 | 315,700 | 2,228,300 |
| York..... | 691,825 | 441,275 | 638,005 | 785,325 | 916,300 | 5,520,330 |
| TOTAL..... | 14,421,330 | 12,523,099 | 12,986,865 | 13,809,125 | 13,708,050 | 112,450,579 |

FOREST AREAS MANAGED BY THE MINISTER

| COUNTY | Date of Agreement | Acreage March 31st 1961 |
|-------------------------------------|-------------------|-------------------------------|
| Brant | 15 Nov., 1952 | 50.00 |
| Bruce | 20 Jan., 1950 | 14,656.35 |
| Dufferin | 26 Nov., 1930 | 2,042.00 |
| Grey | 21 Dec., 1937 | 7,183.08 |
| Halton | 14 Mar., 1950 | 1,245.63 |
| Huron | 27 Nov., 1950 | 1,339.00 |
| Kent | 23 Dec., 1953 | 76.975 |
| Lanark | 5 July, 1940 | 2,561.00 |
| Leeds & Grenville | 24 April, 1940 | 5,625.50 |
| Lennox & Addington | 3 April, 1952 | 786.00 |
| Middlesex | 8 Mar., 1954 | 280.00 |
| Northumberland & Durham | 20 April, 1955 | 4,877.00 |
| Ontario | 9 July, 1939 | 1,900.00 |
| Oxford | 1 Sept., 1950 | 716.56 |
| Prescott & Russell | 22 Dec., 1948 | 23,485.83 |
| Renfrew | 26 Dec., 1951 | 963.00 |
| Simcoe | 25 Nov., 1949 | 16,135.69 |
| Stormont, Dundas & Glengarry | 29 Sept., 1949 | 1,524.45 |
| Victoria | 10 Aug., 1928 | 7,044.00 |
| Waterloo | 17 April, 1950 | 710.48 |
| Wentworth | 27 Nov., 1952 | 889.30 |
| York | 25 Sept., 1952 | 3,772.08 |
| Sub-Total | | 97,863.925 |
| TOWNSHIP | | |
| Bonfield | 1 April, 1952 | 60.00 |
| Charlottenburgh | 1 April, 1955 | 175.00 |
| Cumberland | 29 May, 1952 | 808.44 |
| Galway and Cavendish | 1 Nov., 1952 | 100.00 |
| Marlborough | 21 Sept., 1953 | 200.00 |
| Torbolton | 28 Mar., 1953 | 430.80 |
| Sub-Total | | 1,774.24 |
| CONSERVATION AUTHORITY | | |
| Ausable River | 13 Dec., 1951 | 3,119.00 |
| Big Creek Region | 2 Dec., 1954 | 1,991.00 |
| Ganaraska River | 31 Jan., 1947 | 7,511.00 |
| Grand Valley | 18 Mar., 1952 | 4,023.69 |
| Metropolitan Toronto & Region | 11 April, 1951 | 1,522.00 |
| Middle Maitland Valley | 1 April, 1955 | 466.00 |
| Moirs River | 28 Nov., 1951 | 7,265.00 |
| Napanee Valley | 28 Oct., 1954 | 4,485.00 |
| Neebing Valley | 15 May, 1958 | 1,030.70 |
| North Grey Region | 25 June, 1958 | 2,206.00 |
| Otter Creek | 26 April, 1957 | 762.00 |
| Sauble Valley | 23 Sept., 1959 | 1,580.00 |
| Saugeen Valley | 15 Dec., 1952 | 8,448.00 |
| Upper Thames River | 11 April, 1951 | 3,249.56 |
| Sub-Total | | 47,658.95 |
| TOTAL | | 147,297.115 |

AREA AND POPULATION BY PROVINCES populations in 000's

| Province...Area in Sq. Mi. Date entered Confederation | 1871 | 1891 | 1911 | 1921 | 1931 | 1941 | 1951 | *1961 |
|--|-------|-------|-------|-------|--------|--------|--------|--------|
| Ontario.....412,582 July 1, 1867 | 1,620 | 2,114 | 2,527 | 2,933 | 3,431 | 3,787 | 4,597 | 6,179 |
| Quebec.....594,860 July 1, 1867 | 1,191 | 1,488 | 2,005 | 2,360 | 2,874 | 3,331 | 4,055 | 5,192 |
| Nova Scotia.....21,068 July 1, 1867 | 387 | 450 | 492 | 523 | 512 | 577 | 642 | 730 |
| New Brunswick.....27,985 July 1, 1867 | 285 | 321 | 351 | 387 | 408 | 457 | 515 | 608 |
| P.E.I.....2,184 July 1, 1873 | 94 | 109 | 93 | 88 | 88 | 95 | 98 | 105 |
| Newfoundland.....155,364 Mar. 31, 1949 | .... | .... | .... | .... | .... | .... | 361 | 468 |
| Manitoba.....246,512 July 15, 1870 | 25 | 152 | 461 | 610 | 700 | 729 | 776 | 909 |
| Saskatchewan.....251,700 Sept. 1, 1905 | .... | .... | 492 | 757 | 921 | 895 | 831 | 914 |
| Alberta.....255,285 Sept. 1, 1905 | .... | .... | 374 | 588 | 731 | 796 | 939 | 1,313 |
| British Columbia.....366,255 July 20, 1871 | 36 | 98 | 392 | 524 | 694 | 817 | 1,165 | 1,631 |
| Territories**..... | 48 | 98 | 15 | 12 | 13 | 16 | 25 | 36 |
| CANADA.....3,845,774 | 3,689 | 4,833 | 7,206 | 8,787 | 10,376 | 11,506 | 14,009 | 18,085 |

** Yukon, 207,076 sq. mi., organized June 13, 1898; North West Territories, 1,304,903, reconstituted September 1, 1905.

* Official estimate at March 1st.

HISTORICAL HIGHLIGHTS

Ontario Department of Lands and Forests

- 1763 Modified feudal system of land tenure existed when British occupied French Canada.
- 1783 First township surveyed under civil authority.
- 1798 First Surveys Act passed.
- 1819 Land Boards were given authority to settle people on 100-acre lots within their districts.
- 1827 Policy of non-alienation of forested Crown Lands established. First Commissioner of Crown Lands appointed. Surveyor-General of Woods and Forests in the Province of Upper Canada appointed.
- 1838 First Public Lands Act (King William IV, May 17th).
- 1840 Commissioner of Crown Lands for Canada appointed following Act of Union of that year.
- 1842 Upper and Lower Canada united in legislative union.
- 1852 Woods and Forests Branch of Crown Land Department established to replace host of local land agents who formerly administered the affairs of Woods and Forests.
- 1853 Land Act (repealed).
- 1854 Bill introduced to prevent careless setting of fire (not enacted).
- 1867 Confederation. First Commissioner for Crown Lands in Ontario appointed.
- 1868 Land Act of this year is basis of regulations made to present day.
- 1878 First forest-protection legislation passed-"An Act to Preserve the Forests from Destruction by Fire".
- 1886 First system of fire ranging instituted.
- 1887 Camera first used for survey work.
- 1890 Ontario Cullers Act enacted.
- 1893 Algonquin Provincial Park established.
- 1897 Fire Rangers placed on unlicensed land at public expense.

- 1900 Export of pulpwood and hemlock bark prohibited. Lake Temagami Forest Reserve created.
- 1904 Four Public Land Acts consolidated. Ontario Government initiates policy of giving attention to problems of forestry in Southern Ontario. Forestry Department created at Ontario Agricultural College in Guelph. Forest Nursery established O. A. C.
- 1905 Report of the Commissioner of Crown Lands changed to Report of the Minister of Lands and Mines.
- 1906 Report of Minister of Lands and Mines changed to Report of Minister of Lands, Forests and Mines.
- 1907 Faculty of Forestry created at University of Toronto.
- 1908 St. Williams Forest Station established.
- 1909 Quetico Provincial Park established.
- 1910 Lumbermen assessed for full cost of maintaining fire
-17 rangers on limits.
- 1912 Forestry Branch created under direction of E. J. Zavitz.
- 1913 First Annual Report for Forestry Branch submitted by E. J. Zavitz as Director.
- 1917 Forest Fires Prevention Act provides basis of system whereby timber licensees and pulp concessionaires pay flat rate for fire protection. The Fire Permit system established to control slash burning. White Pine Blister Rust Conference held in Pittsburgh, Pa., U. S. A.
Position of Provincial Forester created under E. J. Zavitz. Fire ranging service transferred from Woods and Forests Branch to Provincial Forester.
- 1918 Province divided into four Inspectorates. Thirty-four Chief Ranger Districts established.
- 1920 Department of Lands and Forests created (Mines as separate Department). Timber Commission appointed to report on administration of timber resources. Rondeau Park transferred from Public Works.
First air patrols carried out as a measure of forest protection.
- 1921 Department presented first exhibit at Canadian National Exhibition; was praised by Governor General.

- 1922 Georgian Bay, Algonquin and Trent Forest Districts established under technical foresters within former Southern Inspectorate. Midhurst and Orono Forest Stations established. First County Forest was started in Simcoe; twelve Township Forests started.
- 1923 New Inspectorate established at Sault Ste. Marie. Central and Northern Inspectorates named Sudbury and Cochrane, respectively. Angus Seed Plant established.
- 1924 Provincial Air Service established. Provincial Land Tax and Pulpwood Conservation Acts enacted. Transplant nursery established at Kemptville.
- 1925 New Inspectorate established at Oba.
- 1926 E. J. Zavitz appointed Deputy Minister of Forestry. Radio used in Forestry Branch operations. New Inspectorates of Hudson and North Bay established.
- 1927 New Inspectorate established at Kenora. Western (Port Arthur) under Forest Supervisor. Cochrane under Fire Inspector. Hudson (Sioux Lookout), Kenora, Oba, Sault Ste. Marie, Sudbury, North Bay, Georgian Bay (Parry Sound), Algonquin (Pembroke) and Trent (Tweed) administered by technical foresters as District Foresters.
- 1930 Western Inspectorate named Port Arthur, administered by District Forester. Oba headquarters moved to Kapuskasing.
- 1932 Twelfth Inspectorate established as Rainy River under District Forester at Fort Frances.
- 1933 Inspectorates changed to Districts. Chief Ranger Districts changed to Chief Ranger Divisions.
- 1934 Fire Ranging and Forest Ranging combined.
- 1935 All twelve Districts are administered by District Foresters. Hudson and Oba Districts named Sioux Lookout and Kapuskasing, respectively.
- 1936 Rainy River, Georgian Bay and Trent Districts are named Fort Frances, Parry Sound and Tweed, respectively.
- 1937 Public Lands Act provides for recreation, deals with sale of summer resort lands, etc. Pulpwood Conservation and Land Surveyors Acts amended.
- 1938 Crown Timber Act amended. Counties Reforestation Act amended.
- 1939 Department divided into eight Head Office Branches: Main Office, Lands, Forestry, Forest (Woods), Accounts, Surveys, Land Tax and Patents. Select committee appointed to

report on all matters pertaining to administration of Lands and Forests. Organization of Resources Act given Royal assent.

1940 Abitibi Power and Paper Company Moratorium Act passed. Northern Development, Provincial Land Tax, Railway Fire Charge and Surveys Acts amended.

1941 Broad re-organization of Department of Lands and Forests. Establishment of ten Head Office Divisions: Accounts, Air Service, Forest Protection, Lands and Recreational Areas, Research, Surveys, Timber Management, Reforestation, Operation and Personnel, and Law (formerly a Branch).

Thirteen Districts divided into five Regions; named Southern, Central, Kapuskasing, Thunder Bay and Western in the following year. New District of Geraldton on temporary basis.

Southern Ontario Divided into six Zones under Zone Foresters of whom five were appointed.

Land Agencies incorporated in Districts.

1943 Geraldton District established.
Forest Ranger School at Dorset established.

1946 Department of Game and Fisheries amalgamated with Lands and Forests as Division of Fish and Wildlife.

Two new Regions and seven new Districts created: South-Western with three new Districts: Lake Erie, Lake Huron and Simcoe; South-Eastern with Quinte (formerly Tweed) and two new Districts: Rideau and Trent; South-Central with Algonquin and Parry Sound; Central with North Bay, Sudbury, Sault Ste. Marie and two new Districts: Chapleau and Gogama; Northern with Kapuskasing and Cochrane; Mid-Western with Port Arthur and Geraldton; and Western with Sioux Lookout, Kenora and Fort Frances.

Kemptville and Thunder Bay (Fort William) Forest Stations established. Forest Resources Inventory organizations created. Tree Conservation Act passed.

1947 Temiskaming District established (Northern Region).
The Forest Management Act of 1947 provided for the submission of Management Plans by timber and pulpwood licensees for the operation of concession areas on a sustained yield basis.

1949 White River District established (Central Region), the 22nd District.

1951 Division of Law abolished. Legal affairs directed by Departmental Solicitor.

1952 The Crown Timber Act of April 9th, 1952, consolidated and replaced eight previous Acts to enable the practice of sound forest management. Effective on April 1st, 1953, it standardized and simplified timber licences, and defined and prohibited wasteful practices, setting penalties for the wastage of mer-

chantable wood. It also covered scaling, mill licences, provincial forests and the appointment of the Advisory Committee to the Minister.

- 1953 Quinte, Trent, Algonquin and Temiskaming Districts named Tweed, Lindsay, Pembroke and Swastika Districts, respectively.

- 1954 Provincial Parks Act passed. Divisions of Parks, Lands and Law created. Division of Lands and Recreational Areas abolished.

By March 31st, 1953, all districts had been divided into Management Units to be managed for sustained yield. Within the following fiscal year, the number increased from a total of 69 to 87 Crown Units and 36 Company Units, all held responsible for Management Plans. Within Crown Units, licensees holding 50 square miles or more were held responsible for Management Plans to be co-ordinated with Unit plans.

- 1956 Rideau District named Kemptville District.

- 1957 Department re-organized. Two Assistant Deputy Ministers and two Regional Directors appointed.

Divisions of Timber Management and Reforestation become Timber and Reforestation Branches in the Division of Timber.

Divisions of Forest Protection and Air Service become Forest Protection and Air Service Branches in the Division of Forest Protection.

Divisions of Surveys and Engineering and Lands become Surveys and Lands Branches in the Division of Surveys.

Division of Operation and Personnel becomes Division of Operations and a separate Personnel Section. Division of Law becomes a separate Law Section.

The Forest Resources Inventory, begun in 1946, was completed, and the first of the annual inventories was started to keep the Inventory up to date.

- 1958 Surveys Act completely revised.

- 1959 Silviculture becomes the third Branch in Division of Timber. Divisions re-named Branches and Branches re-named Sections as of December 1st.

Law and Personnel become Branches.

- 1960 Twenty-eight wilderness areas established under The Wilderness Areas Act, March 26th, 1959.

MEMORANDUM

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ONTARIO

DEPARTMENT OF LANDS AND FORESTS

HON. A. KELSO ROBERTS, Q.C.
Minister

F. A. MACDOUGALL
Deputy Minister

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Publications

A STATISTICAL REFERENCE OF LANDS AND FORESTS ADMINISTRATION 1963

OPERATIONS BRANCH



ONTARIO

DEPARTMENT OF LANDS AND FORESTS

HON. A. KELSO ROBERTS, Q.C.
Minister

F. A. MACDOUGALL
Deputy Minister

MEMORANDUM

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FOREWORD

This statistical record is based mainly on information published in Annual Reports of the Minister of Lands and Forests and presented here in a more convenient form for ready reference.

The statistics on forest fires and Provincial Parks include preliminary reports on the 1962 season and are subject to correction in the Annual Report for the year ending March 31st, 1963.

PREMIERS OF ONTARIO SINCE CONFEDERATION

| | From | To |
|---------------------------------------|---------------|----------------|
| Hon. John Sandfield Macdonald..... | July 16, 1867 | Dec. 19, 1871 |
| Hon. E. Blake | Dec. 20, 1871 | Oct. 25, 1872 |
| Hon. Sir Oliver Mowat..... | Oct. 25, 1872 | July 9, 1896 |
| Hon. A.S. Hardy..... | July 25, 1896 | Oct. 17, 1899 |
| Hon. George W. Ross | Oct. 21, 1899 | Feb. 7, 1905 |
| Hon. Sir J.P. Whitney..... | Feb. 8, 1905 | Sept. 25, 1914 |
| Hon. Sir Wm. Howard Hearst..... | Oct. 2, 1914 | Nov. 14, 1919 |
| Hon. Ernest Chas. Drury .. | Nov. 14, 1919 | July 16, 1923 |
| Hon. G.H. Ferguson | July 16, 1923 | Dec. 15, 1930 |
| Hon. G.S. Henry..... | Dec. 15, 1930 | July 10, 1934 |
| Hon. Mitchell F. Hepburn.. | July 10, 1934 | Aug. 21, 1942 |
| Hon. G.D. Conant..... | Oct. 21, 1942 | May 18, 1943 |
| Hon. H.C. Nixon..... | May 18, 1943 | Aug. 17, 1943 |
| Hon. George A. Drew | Aug. 17, 1943 | Oct. 19, 1948 |
| Hon. Thomas L. Kennedy .. | Oct. 19, 1948 | May 4, 1949 |
| Hon. Leslie M. Frost | May 4, 1949 | Nov. 8, 1961 |
| Hon. John P. Robarts | Nov. 8, 1961 | ..... |

COMMISSIONERS AND MINISTERS SINCE 1827

Government
Publications

| | From | |
|------------------------------|---------------|----------------|
| Hon. Peter Robinson | July 17, 1827 | July 14, 1836 |
| Hon. R.B. Sullivan | July 14, 1836 | June 30, 1841 |
| Hon. John Davidson | July 23, 1841 | Oct. 12, 1842 |
| Hon. A.N. Morin | Oct. 13, 1842 | Dec. 11, 1843 |
| Hon. D.B. Papineau | Sept. 3, 1844 | Dec. 7, 1847 |
| Sir John A. MacDonald . . | Dec. 8, 1847 | Mar. 10, 1848 |
| Hon. J.H. Price | Mar. 11, 1848 | Oct. 27, 1851 |
| Hon. John Rolph | Oct. 28, 1851 | Aug. 17, 1853 |
| Hon. Louis V. Sicotte . . . | Aug. 17, 1853 | Aug. 26, 1853 |
| Hon. A.N. Morin | Aug. 31, 1853 | Jan. 26, 1855 |
| Hon. Jos. Cauchon | Jan. 27, 1855 | April 30, 1857 |
| Sir E.P. Tache | June 16, 1857 | Nov. 24, 1857 |
| Hon. Louis V. Sicotte . . . | Nov. 25, 1857 | Aug. 1, 1858 |
| Sir. A.A. Dorion | Aug. 2, 1858 | Aug. 6, 1858 |
| Hon. P.M. Vankoughnet . | Aug. 7, 1858 | Mar. 18, 1862 |
| Hon. George Sherwood . . . | Mar. 27, 1862 | May 23, 1862 |
| Hon. Wm. McDougall | May 24, 1862 | Mar. 29, 1864 |
| Sir Alex. Campbell | Mar. 30, 1864 | June 30, 1867 |
| Hon. Stephen Richards . . . | July 1, 1867 | July 25, 1871 |
| Sir Matthew C. Cameron . | July 25, 1871 | Dec. 21, 1871 |
| Sir Richard W. Scott | Dec. 21, 1871 | Nov. 30, 1873 |
| Hon. Timothy B. Pardee . | Dec. 4, 1873 | Jan. 19, 1889 |
| Hon. Arthur S. Hardy . . . | Jan. 19, 1889 | July 21, 1896 |
| Sir John M. Gibson | July 21, 1896 | Oct. 21, 1899 |
| Hon. E.J. Davis | Oct. 21, 1899 | Nov. 22, 1904 |
| Hon. A.G. McKay | Nov. 22, 1904 | Feb. 8, 1905 |
| Hon. J.J. Foy | Feb. 8, 1905 | May 13, 1905 |
| Hon. F. Cochrane | May 13, 1905 | Oct. 11, 1911 |
| Sir William Hearst | Oct. 12, 1911 | Dec. 22, 1914 |
| Hon. G.H. Ferguson | Dec. 22, 1914 | Nov. 13, 1919 |
| Hon. B. Bowman | Nov. 14, 1919 | July 11, 1923 |
| Hon. Jas. Lyons | July 16, 1923 | Feb. 28, 1926 |
| Hon. G.H. Ferguson | Feb. 28, 1926 | Oct. 18, 1926 |
| Hon. Wm. Finlayson | Oct. 18, 1926 | July 10, 1934 |
| Hon. Peter Heenan | July 10, 1934 | May 27, 1941 |
| Hon. N.O. Hipel | May 27, 1941 | Aug. 17, 1943 |
| Hon. W.G. Thompson | Aug. 17, 1943 | Nov. 28, 1946 |
| Hon. H.R. Scott | Nov. 28, 1946 | June 3, 1952 |
| Hon. W.S. Gemmell | June 3, 1952 | July 7, 1954 |
| Hon. C.E. Mapledoram . . . | July 7, 1954 | July 4, 1958 |
| Hon. J.W. Spooner | July 23, 1958 | Oct. 25, 1962 |
| Hon. A. Kelso Roberts, Q. C. | Oct. 25, 1962 | ..... |

DEPUTY MINISTERS SINCE CONFEDERATION

| | |
|---------------------------|------|
| ANDREW RUSSELL | 1867 |
| THOMAS H. JOHNSON | 1869 |
| AUBREY WHITE | 1887 |
| ALBERT GRIGG | 1915 |
| WALTER CAIN | 1921 |
| FRANK A. MacDOUGALL | 1941 |

AUBREY WHITE was a practical man whose recommendations led to the first forest fire protection organization; that was in 1885. He had been appointed to the staff in 1878 as Crown Lands Agent for part of Muskoka at a salary of \$500 per annum. In 1882, he was appointed Clerk in the Woods and Forests Branch at \$1,700 per annum. Recognized as an outstanding authority on forest lands, he was appointed to his chief post on the death of Mr. Johnson in 1887.

ALBERT GRIGG was an ardent dry and a legislator before joining the staff. He was a Member of the Legislative Assembly, representing Bruce Mines where he had been mayor for many years. He was of pioneer stock.

WALTER CAIN taught school, laboured in saw mills and worked his way through the University of Toronto. He was well known in his day as a lacrosse player. He was appointed Clerk in the Lands Branch and succeeded Mr. Grigg when the latter resigned. Superannuated in 1941, he died in 1954.

FRANK MacDOUGALL started at the bottom. After excellent service in the Canadian Army, 1914-18, he worked on the temporary staff and took his degree as Forest Engineer at the University of Toronto. Appointed to the permanent staff on May 15th, 1923, he earned his pilot's licence and played an important part in the development of the forest protection organization. He was District Forester at Sault Ste. Marie and Superintendent of Algonquin Provincial Park before succeeding Mr. Cain in 1941. He headed the progress in organization in the following years.

NEW POLICIES

CORRECTIONS

[illegible]

ACCOUNTS BRANCH

The re-organization of the Department in 1941 included the establishment of the Division of Accounts under J. G. McMillen.

New accounting procedures became effective on April 1st. 1942. Since that date, the work of the unit has been further modernized to provide a complete internal control of Department revenue and expenditures.

R. R. MacBean was appointed Chief on January 1st. 1956.

Re-named Branch in 1959, Accounts is responsible for the accounting of the entire Department, the collection of revenue, the payment of expenditures, the administration of The Provincial Land Tax Act, the issuing of fish and wildlife licences (since 1947), the issuing of park permits, the compilation of payrolls, and the preparation of budgets and financial reports.

The following tables indicate the tremendous growth of the Department across the years and the resulting increase in accounting requirements.

ACCOUNTS BRANCH

Chief: R. R. MacBean

Assistant Chief: F. M. Baker

INTERNAL AUDIT

Internal Audit & Field Inspections

SYSTEMS & PROCEDURES

REVENUE ACCOUNTING

Cash Receiving, Accounts Receivable
Issue of Fish & Wildlife Licences,
Park Permits, Timber Accounts, Land Sales
Land Tax, Rentals

EXPENDITURE & GENERAL ACCOUNTING

Payrolls, Accounts Payable
Accounting Machine Operations

BUDGET ACCOUNTING

Budget Estimates & Forecasts,
Financial Reports

LAND TAX ADMINISTRATION

Assessments, Appeals, Addressograph

GENERAL

Secretarial
Department Mail Services

LANDS AND FORESTS REVENUE AND EXPENDITURES* in years ending March 31st

| YEAR | CASH RECEIPTS | | Total | CASH DISBURSEMENTS | | Total | BALANCE |
|------|----------------------------|---------------------------|----------------|----------------------------|---------------------------|----------------|----------------|
| | Ordinary | Capital | | Ordinary | Capital | | |
| 1942 | \$6,287,161.43 | \$ 37,339.68 | \$6,324,501.11 | \$2,910,615.37 | \$320,502.77 | \$3,231,118.14 | \$3,093,382.97 |
| 1943 | 6,964,338.05 | 69,275.28 | 7,033,613.33 | 4,072,688.46 | 3,029.42 | 4,075,717.88 | 2,957,895.45 |
| 1944 | 6,567,183.22 | 130,524.24 | 6,697,707.56 | 3,610,850.90 | 4,574.92 | 3,615,425.82 | 3,082,281.74 |
| 1945 | 6,436,259.97 | 155,219.01 | 6,591,478.98 | 4,210,648.47 | 341.95 | 4,210,990.42 | 2,380,488.56 |
| 1946 | 8,321,551.84 | 193,061.14 | 8,514,612.98 | 4,839,821.50 | 8,234.30 | 4,848,055.80 | 3,666,557.18 |
| 1947 | 10,366,281.93 | 261,865.96 | 10,628,147.89 | 7,043,267.18 | 116,523.23 | 7,159,790.41 | 3,468,357.48 |
| 1948 | 10,467,251.70 | 215,151.77 | 10,682,403.47 | 7,598,611.94 | ..... | 7,598,611.94 | 3,083,791.53 |
| 1949 | 11,419,352.16 | 215,884.90 | 11,635,237.06 | 11,400,801.97 | ..... | 11,400,801.97 | 234,435.09 |
| 1950 | 10,924,652.37 | 677,603.32 | 11,602,255.69 | 9,913,520.62 | 4,623,339.12 | 14,536,859.74 | d-2,934,604.05 |
| 1951 | 10,966,065.72 | 5,351,437.91 | 16,317,503.63 | 9,840,796.17 | 3,326,822.18 | 13,167,618.35 | 3,149,885.28 |
| 1952 | 14,604,915.18 | 3,222,682.07 | 17,827,597.25 | 10,681,717.01 | 2,196,671.93 | 12,878,388.94 | 4,949,208.31 |
| 1953 | 20,634,549.56 | 2,513,325.57 ^m | 23,147,875.13 | 11,486,280.94 | 1,654,781.54 ^m | 13,141,062.48 | 10,006,812.65 |
| 1954 | 18,156,762.00 | 1,810,672.96 | 19,967,434.96 | 12,608,258.47 | 800,000.00 | 13,408,258.47 | 6,559,176.49 |
| 1955 | 19,146,974.96 | 178,810.09 | 19,325,785.05 | 12,716,508.33 | 178,810.09 | 12,895,318.42 | 6,430,466.63 |
| 1956 | 19,823,049.47 | 328,056.86 | 20,151,106.33 | 17,148,523.65 | 128,297.23 | 17,276,820.88 | 2,874,285.45 |
| 1957 | 20,881,873.91 | 367,501.40 | 21,249,375.31 | 16,037,678.39 | 187,935.36 | 16,225,613.75 | 5,023,761.56 |
| 1958 | 22,189,712.48 | 490,717.96 | 22,680,430.44 | 18,733,582.62 | 280,550.13 | 19,014,132.75 | 3,666,297.69 |
| 1959 | 19,512,132.50 ^w | 725,375.25 | 20,237,507.75 | 20,259,829.63 | 4,167,468.40 ^p | 24,427,298.03 | d-4,189,790.28 |
| 1960 | 18,627,418.14 ^w | 807,860.60 | 19,435,278.74 | 23,029,901.12 ^p | 991,022.60 | 24,020,923.72 | d-4,585,644.98 |
| 1961 | 20,811,710.78 | 844,686.28 | 21,656,397.06 | 23,042,059.98 | 234,988.32 | 23,277,048.30 | d-1,620,651.24 |
| 1962 | 21,361,244.94 | 644,158.52 | 22,005,403.46 | 26,606,120.51 | 1,413,973.51 ^c | 28,020,094.02 | d-6,014,690.56 |

c- Grants to Conservation Authorities. d- Operating deficit. m- Mississagi salvage project.

*Years to 1947 include former Department of Game and Fisheries. Water Power revenue transferred to Treasury Department in 1959.

p- Park improvements. w- Cut back in woods operations.

TIMBER SECTION REVENUE in years ending March 31st

| Year | Crown Dues | Ground Rent | Fire Tax | Cash Deposits and Refunds | Misc. | Total |
|------|-------------------------|----------------|-------------|------------------------------|----------|-------------|
| 1942 | \$3,695,167 | \$79,370 | \$276,577 | \$..... | \$71,463 | \$4,122,577 |
| 1943 | ..... | ..... | ..... | ..... | ..... | 4,982,281 |
| 1944 | ..... | ..... | ..... | ..... | ..... | 4,561,733 |
| 1945 | 3,606,192 | 117,396 | 436,395 | 66,234 | 15,364 | 4,241,581 |
| 1946 | 4,947,915 | 115,299 | 419,323 | 59,004 | 13,240 | 5,554,781 |
| 1947 | 6,175,444 | 125,061 | 461,164 | 164,784 | 17,651 | 6,944,104 |
| 1948 | 6,093,410 | 126,875 | 456,444 | ..... | 178,302 | 6,855,031 |
| 1949 | 6,899,107 | 108,934 | 440,011 | 130,506* | 14,744 | 7,332,290 |
| 1950 | 6,146,884 | 112,139 | 485,313 | 29,195 | 15,704 | 6,789,235 |
| 1951 | 5,269,279 | 116,642 | 1,007,662 | 53,743 | 13,777 | 6,461,103 |
| 1952 | 8,324,529 | 114,197 | 1,010,554 | 26,954 | 24,631 | 9,500,865 |
| 1953 | 13,718,339 | 123,366 | 1,175,776 | 77,859 | 22,361 | 15,117,701 |
| 1954 | 10,225,155 | 79,832 | 1,052,635 | 14,373* | 23,211 | 11,396,460 |
| 1955 | 10,834,114 | 76,019 | 945,953 | 53,919 | 17,673 | 11,927,678 |
| 1956 | 11,667,003 | 76,234 | 971,517 | 18,024* | 10,000 | 12,706,730 |
| 1957 | 12,332,778 | 80,786 | 1,091,659 | 34,762 | 16,583 | 13,556,568 |
| 1958 | 13,333,503 | 81,098 | 1,041,837 | 45,844* | 20,414 | 14,431,008 |
| 1959 | 11,382,445 ^w | 84,468 | 1,085,027 | 51,833* | 19,893 | 12,520,000 |
| 1960 | 10,381,470 ^w | 82,255 | 1,057,804 | 16,924 | 26,869 | 11,565,322 |
| 1961 | 11,983,088 | 80,488 | 1,035,464 | 38,664* | 32,041 | 13,092,417 |
| 1962 | 12,202,240 | 83,074 | 1,085,269 | 21,102 | 14,660 | 13,406,345 |

*Refunds in excess of deposits.

w- Cut back in woods operations.

FISH AND WILDLIFE REVENUE in years ending March 31st

| Year | Deer Licences | Moose Licences | Other Hunting Licences | Non-Res. Hunting Licences | Angling Licences | Commercial Fishing + Licences | Trapping + Licences | Misc. | Total |
|-------|------------------|-------------------|------------------------------|---------------------------------|---------------------|-------------------------------------|------------------------|-----------|-------------|
| 1942 | \$ 94,924 | \$ 3,278 | \$ 97,769 | \$124,365 | \$ 476,520 | \$ 98,110 | \$175,815 | \$104,648 | \$1,175,429 |
| 1943 | 118,084 | 4,373 | 102,245 | 93,245 | 306,264 | 84,507 | 161,635 | 85,433 | 955,786 |
| 1944 | 115,396 | 4,697 | 75,153 | 89,450 | 288,685 | 103,143 | 195,286 | 97,273 | 969,083 |
| 1945 | 117,005 | 4,813 | 79,390 | 115,590 | 412,073 | 99,819 | 247,562 | 110,272 | 1,186,524 |
| 1946 | 166,635 | 7,051 | 110,253 | 218,855 | 605,321 | 103,105 | 277,768 | 153,743 | 1,642,731 |
| 1947* | 196,549 | 9,316 | 132,907 | 361,887 | 1,000,866 | 109,473 | 274,139 | 155,774 | 2,240,911 |
| 1948 | 205,827 | 11,878 | 146,601 | 453,790 | 1,156,904 | 110,705 | 206,514 | 128,442 | 2,420,661 |
| 1949 | 237,707 | 16,787 | 176,301 | 468,705 | 1,350,501 | 116,597 | 328,171 | 119,107 | 2,813,876 |
| 1950 | 242,208 | 352 | 194,228 | 364,922 | 1,450,180 | 115,344 | 293,436 | 113,858 | 2,774,518 |
| 1951 | 264,881 | ..... | 200,790 | 401,490 | 1,637,775 | 121,688 | 321,698 | 117,429 | 3,065,752 |
| 1952 | 286,226 | 7,719 | 222,998 | 340,255 | 1,868,746 | 135,255 | 341,664 | 117,082 | 3,319,945 |
| 1953 | 348,665 | 33,487 | 249,982 | 156,913 | 1,949,892 | 140,116 | 398,604 | 132,256 | 3,409,915 |
| 1954 | 355,911 | 52,464 | 251,535 | 447,366 | 2,086,074 | 125,427 | 353,005 | 128,953 | 3,800,735 |
| 1955 | 364,082 | 73,460 | 277,237 | 454,643 | 2,204,668 | 140,064 | 343,220 | 122,882 | 3,989,256 |
| 1956 | 405,201 | 90,040 | 295,320 | 513,088 | 2,279,336 | 132,944 | 317,052 | 121,733 | 4,154,714 |
| 1957 | 400,272 | 134,210 | 292,098 | 545,979 | 2,294,761 | 145,447 | 272,952 | 120,108 | 4,205,827 |
| 1958 | 415,920 | 173,650 | 317,375 | 563,004 | 2,431,977 | 128,634 | 277,800 | 126,171 | 4,434,531 |
| 1959 | 459,440 | 214,664 | 346,914 | 588,852 | 2,337,425 | 116,861 | 268,276 | 107,392 | 4,439,824 |
| 1960 | 468,833 | 245,033 | 352,197 | 698,968 | 2,399,612 | 112,260 | 252,001 | 93,303 | 4,622,207 |
| 1961 | 493,361 | 280,274 | 357,021 | 797,213 | 2,435,611 | 110,168 | 279,484 | 94,979 | 4,848,111 |
| 1962 | 420,727 | 358,695 | 344,706 | 936,819 | 2,527,212 | 111,552 | 244,082 | 110,723 | 5,054,516 |

*Department of Game and Fisheries to 1947.

+Includes Royalties.

LANDS AND SURVEYS REVENUE

in years ending March 31st

| Year | Crown Land Sales | Crown Land †Rentals | Parks †Rentals | Misc. | Total |
|------|------------------------|---------------------------|-------------------|----------|-----------|
| 1942 | \$41,961 | \$76,881 | \$18,656 | \$41,189 | \$178,687 |
| 1943 | 69,162 | 65,982 | 14,904 | 27,169 | 177,217 |
| 1944 | 118,745 | 107,518 | 19,592 | 41,192 | 287,047 |
| 1945 | 155,219 | 89,485 | 18,170 | 32,709 | 295,583 |
| 1946 | 193,061 | 90,989 | 20,240 | 34,427 | 338,717 |
| 1947 | 261,866 | 98,893 | 22,367 | 49,171 | 432,296 |
| 1948 | 215,152 | 108,676 | 52,909 | 17,702 | 394,439 |
| 1949 | 215,885 | 115,492 | 36,355 | 42,135 | 409,867 |
| 1950 | 217,642 | 114,021 | 29,745 | 39,349 | 400,757 |
| 1951 | 188,444 | 121,585 | 31,186 | 40,890 | 383,105 |
| 1952 | 186,225 | 120,369 | 32,021 | 48,036 | 386,651 |
| 1953 | 197,368 | 140,248 | 33,108 | 23,442 | 394,166 |
| 1954 | 184,428 | 165,643 | 39,460 | 20,768 | 410,299 |
| 1955 | 212,985 | 178,749 | 42,822 | 21,910 | 456,556 |
| 1956 | 295,057 | 199,834 | 42,612 | 54,182 | 591,685 |
| 1957 | 309,314 | 235,571 | 64,800 | 7,987 | 617,672 |
| 1958 | 358,427 | 264,852 | 51,066 | 12,364 | 686,709 |
| 1959 | 551,088 | 280,860 | 62,128 | 15,814 | 909,890 |
| 1960 | 607,538 | 298,706 | 43,190 | 20,001 | 969,435 |
| 1961 | 609,698 | 334,474 | 39,566 | 21,123 | 1,004,861 |
| 1962 | 644,159 | 377,988 | 36,449 | 26,416 | 1,085,012 |

† Leases and Licences of Occupation

PROVINCIAL PARKS REVENUE in years ending March 31st

| Year | Vehicle Permits | Campsite Permits | Concessions Rentals | Federal Assistance | Misc. | Total |
|------|--------------------|---------------------|------------------------|-----------------------|----------|-----------|
| 1957 | \$..... | \$ 45,613 | \$..... | \$..... | \$13,008 | \$ 58,621 |
| 1958 | 148,488 | 78,462 | ..... | ..... | 17,383 | 244,333 |
| 1959 | 207,751 | 124,137 | ..... | 222,287 | 27,181 | 581,356 |
| 1960 | 292,459 | 206,148 | 44,775 | ..... | 25,556 | 568,938 |
| 1961 | 382,887 | 331,481 | 60,868 | 195,129 | 25,208 | 995,573 |
| 1962 | 438,632 | 447,535 | 58,831 | ..... | 45,313 | 990,311 |

CASH RECEIPTS

In years ending March 31st

| Year | Provincial Land Tax | Map Sales Casual Fees | Flying Fees | Fire Costs Recovered | *Nursery Tree Sales |
|------|------------------------|-----------------------------|----------------|-------------------------|---------------------------|
| 1942 | \$ 146,802 | \$ 3,462 | \$10,902 | \$40,183 | \$ 5,834 |
| 1943 | 146,014 | 3,192 | 6,946 | 28,670 | 8,453 |
| 1944 | 158,745 | 2,925 | 19,448 | 22,916 | 26,138 |
| 1945 | 175,342 | 4,913 | 12,417 | 26,850 | 10,559 |
| 1946 | 209,459 | 9,048 | 25,284 | 30,943 | 19,386 |
| 1947 | 204,475 | 11,071 | 15,258 | 46,402 | 25,373 |
| 1948 | 185,470 | 13,825 | 8,376 | 53,230 | 25,562 |
| 1949 | 217,521 | 17,225 | 6,373 | 48,331 | 1,685 |
| 1950 | 242,292 | 18,778 | 10,734 | 70,707 | 153 |
| 1951 | 322,661 | 19,092 | 13,407 | 38,975 | 60 |
| 1952 | 367,696 | 21,774 | 16,710 | 55,473 | ..... |
| 1953 | 393,236 | 22,723 | 11,720 | 30,140 | 128,220 |
| 1954 | 562,723 | 23,546 | 16,361 | 46,269 | 157,892 |
| 1955 | 644,961 | 30,660 | 16,724 | 46,487 | 216,247 |
| 1956 | 687,296 | 39,579 | 15,267 | 98,385 | 174,279 |
| 1957 | 776,789 | 59,634 | 12,793 | 96,065 | 160,244 |
| 1958 | 810,466 | 62,225 | 13,393 | 76,875 | 146,173 |
| 1959 | 1,114,638 | 84,024 | 20,826 | 103,224 | 160,131 |
| 1960 | 1,133,879 | 87,941 | 32,236 | 94,637 | 160,362 |
| 1961 | 1,162,185 | 84,097 | 22,657 | 62,166 | 122,408 |
| 1962 | 1,172,530 | 109,227 | 21,980 | 53,823 | 111,660 |

* The Forestry Act, 1952, provided for the sale of trees to private landowners.

CONSERVATION AUTHORITIES BRANCH

The original Conservation Branch was established in 1944 within the Department of Planning and Development (Economics and Development, 1961). A. H. Richardson, P. Eng., was Director and Chief Conservation Engineer until his retirement in 1961.

The Branch became responsible for the administration of The Grand River Conservation Act (1938), The Conservation Authorities Act (April 13, 1946) and The Parks Assistance Act (April 12, 1960).

The Branch was transferred to the Department of Lands and Forests on January 1st, 1962, under A. S. L. Barnes as Acting Chief. Mr. Barnes was appointed Chief on July 1st, 1962.

Under The Conservation Authorities Act, an Authority is a corporate body comprised of representatives of municipalities located in the watershed or group of adjacent watersheds which is the Authority area. Following a petition from these representatives to the Minister of Lands and Forests, the Authority is established by order-in-council to function on the basis of local responsibility. It is given broad powers to carry out conservation work, including flood control.

The Branch makes conservation surveys of the watersheds of newly established Authorities. The results of the surveys are compiled in conservation reports which are presented to the Authorities. On request, the Branch makes surveys and studies of resource problems for established Authorities. It also supplies technical advice on conservation problems to all Authorities.

All Authority projects must be submitted to the Branch for approval if a grant of money is to be requested from the Provincial Government. The policy is to make grants of 50 per cent available for the majority of approved projects. Three Authorities are carrying out water control schemes under joint agreements with Ontario and Canada.

By March 31, 1962, a total of 455 municipalities had appointed 623 representatives to operate 31 Authorities.

CONSERVATION AUTHORITIES BRANCH

Chief: A. S. L. BARNES

ADMINISTRATION

Supervisor: F. G. Jackson

| | |
|-----------------------------|-----------------|
| Forestry | P. M. R. Harvie |
| Wildlife & Recreation | K. M. Mayall |
| Field Supervision | A. D. Latornell |
| Parks Inspection | H. J. Christian |
| Historical Research | V. B. Blake |
| Land Use | |

ENGINEERING

Supervisor: J. W. Murray

| | |
|---------------------------|--------------|
| Project Engineering | F. J. Forbes |
| Surveys | |
| Flood Warning | |

| | |
|------------------------|----------------|
| Hydrometeorology | D. N. McMullen |
| (Government of Canada) | |

AUTHORITIES AND PARKS

as of March 31st, 1962

| AUTHORITY Area in sq. miles Date Established | CONSERVATION AREA (Park area) | Area Acreage | |
|--|-------------------------------------|--------------|----------------|
| | | Total | Devel -oped |
| Ausable River | Exeter | 3 | |
| 665 | Lucan | 9 | |
| July 30, 1946 | Morrison Dam | 77 | |
| | Port Franks | 314.... | 20 |
| | Rock Glen..... | 17.... | 12 |
| | Thedford..... | 20 | |
| Big Creek Region | Abigail Becker | 12 | |
| 610 | Backus | 80.... | 20 |
| Sept. 9, 1948 | Black Creek | 21.... | 6 |
| | Kelvin | 12 | |
| | Quance | 8 | |
| | Sutton | 12 | |
| | Teeterville..... | 50.... | 5 |
| | Vanessa | 30.... | |
| | Vittoria | 35.... | 5 |
| | Waterford | 213.... | 120 |
| Catfish Creek | | | |
| 189 | | | |
| Feb. 23, 1950 | | | |
| Central Lake Ontario | | | |
| 242 | | | |
| July 17, 1958 | | | |
| Credit Valley | Belfountain | 22 | |
| 391 | Erindale..... | 135.... | 35 |
| May 13, 1954 | Forest Cons. Areas .. | 190 | |
| | Mono..... | 170 | |
| | Orangeville | 520 | |
| | Terra Cotta..... | 310.... | 100 |
| | Wilcox | 102 | |
| Crowe Valley | | | |
| 775 | | | |
| Nov. 6, 1958 | | | |
| Ganaraska Region | Cold Springs | 30.... | 5 |
| 229 | Garden Hill | 56.... | 25 |
| Oct. 8, 1946 | Sylvan Glen | 5.... | 5 |
| Grand Valley..... | Byng | 144.... | 60 |
| 2,614 | Doon | 58.... | 15 |
| Feb. 26, 1948 | Elora Gorge | 307.... | 225 |
| | Hamilton | 200 | |
| | Pinehurst..... | 105.... | 90 |
| | Rockwood..... | 197 | |

AUTHORITIES AND PARKS

as of March 31st, 1962

| AUTHORITY Area in sq. miles Date Established | CONSERVATION AREA (Park area) | Area Acreage Total Devel -oped |
|--|-------------------------------------|--------------------------------------|
| Grand Commission | Conestogo | 5,292....700 |
| | Luther Marsh | 4,900.... |
| | Shand | 3,200....200 |
| Holland Valley | Holland Landing | 20.... 10 |
| 232 | | |
| Sept. 6, 1951 | | |
| Junction Creek | Garson | 3.... 3 |
| 125 | | |
| Dec. 12, 1957 | | |
| Maitland Valley | Ethel..... | 28 |
| 984 | | |
| Sept. 6, 1951 | | |
| Mattagami Valley | | |
| 34 | | |
| Nov. 30, 1961 | | |
| Metropolitan Toronto | Albion Hills | 651....150 |
| and Region | Bolton..... | 20 |
| 968 | Boyd | 883....150 |
| Feb. 1, 1957 | Cedar Mills | 2.... 2 |
| | Claremont | 400 |
| | Cold Creek..... | 353 |
| | Dingle..... | 150 |
| (Black Creek) | Edgeley-Dalziel | 117.... 10 |
| | Glen Haffy | 341.... 50 |
| | Glen Major..... | 67 |
| | Greenwood..... | 597.... 50 |
| | Heart Lake | 247.... 50 |
| | Humber Trails | 50.... 20 |
| | Humber Valley | 148 |
| | Oakbank | 6.... 6 |
| | Palgrave Forest..... | 400 |
| | Uxbridge | 93 |
| | Woodbridge | 35.... 15 |
| Moira River | Black River..... | 50 |
| 1,056 | Deloro | 95 |
| July 31, 1947 | O'Hara | 35.... 15 |
| | Plainfield | 30 |
| | Prince | 13.... 6 |
| | Vanderwater | 415....150 |
| Napanee Valley..... | Second Depot Lake.... | 800 |
| 307 | | |
| Nov. 20, 1947 | | |

AUTHORITIES AND PARKS

as of March 31st, 1962

| AUTHORITY | CONSERVATION | Area Acreage | |
|--------------------------|--------------------|--------------|-------|
| Area in sq. miles | AREA | Devel | |
| Date Established | (Park area) | Total | -oped |
| Neebing Valley | | | |
| 86 | | | |
| July 15, 1954 | | | |
| Niagara Peninsula | Ball's Falls | 127 | |
| 950 | Long Beach | 142.... | 42 |
| Apr. 30, 1959 | | | |
| North Grey Region | Bognor | 75 | |
| 655 | Inglis Falls | 68 | |
| June 5, 1957 | Peasmarsh | 38 | |
| | Pottawatomi | 29 | |
| Nottawasaga Valley | | | |
| 1, 210 | | | |
| May 5, 1960 | | | |
| Otonabee Region | | | |
| 603 | | | |
| July 9, 1959 | | | |
| Otter Creek | Edison | 10 | |
| 323 | Lake Joseph | 21 | |
| Aug. 5, 1954 | Norwich | 14 | |
| | Port Burwell | 21.... | 10 |
| Sauble Valley | Colpoy Range | 4.... | 4 |
| 521 | Rankin River | 178 | |
| July 17, 1958 | | | |
| Saugeen Valley | Bell's Lake | 100 | |
| 1, 619 | Brucedale | 12.... | 8 |
| Mar. 16, 1950 | Durham | 35 | |
| | Mildmay | 10.... | 7 |
| | Mount Forest | 12.... | 4 |
| | Southampton | 6 | |
| | Varney | 12.... | 8 |
| Sixteen Mile Creek | Escarpment | 82 | |
| 159 | Esquesing | 70 | |
| Dec. 20, 1956 | Kelso | 361 | |
| (Sixteen Valley) | Chisholm | 70 | |
| South Nation | | | |
| 1, 512 | | | |
| May 8, 1947 | | | |
| Spencer Creek | Beverley | 50.... | 50 |
| 101 | Valens | 257 | |
| May 8, 1958 | | | |
| Sydenham Valley | | | |
| 1, 052 | | | |
| Jan. 12, 1961 | | | |

AUTHORITIES AND PARKS

as of March 31st, 1962

| AUTHORITY | CONSERVATION | Area | Acreage |
|--------------------------|----------------------------------|-----------|---------|
| Area in sq. miles | AREA | | Devel |
| Date Established | (Park area) | Total | -oped |
| <hr/> | | | |
| Lower Thames Valley | | | |
| 869 | | | |
| Feb. 2, 1961 | | | |
| Upper Thames River | Centreville | 6.... | 3 |
| 1,325 | Dingman's Creek | 18.... | 5 |
| Sept. 18, 1947 | Dorchester | 18.... | 9 |
| | Embro | 14.... | 8 |
| | Fullarton | 81.... | 10 |
| | Harmony..... | 27 | |
| | Harrington..... | 13.... | 8 |
| | (Fanshawe) J. Cameron Wilson ... | 2,455.... | 450 |
| | Kirkton..... | 5.... | 5 |
| | Murray Forest | 73.... | 10 |
| | Shakespeare | 32.... | 20 |
| | Wilton Grove | 20 | |
| Woodham | 74 | | |
| Twelve Mile Creek | Carlisle | 10 | |
| 124 | Mount Nemo | 87 | |
| June 12, 1958 | Rattlesnake Point | 90 | |
| <hr/> | | | |
| Whitson Valley | | | |
| 123 | | | |
| Sept. 3, 1959 | | | |

| | | | |
|---------|-----|------------------------------|------------------|
| Totals: | 31 | Conservation Authorities ... | 20,653 sq. miles |
| | 104 | Conservation Areas | 27,732 acres |
| | 51 | Developed Park Areas | 3,196 acres |

ATTENDANCE AT PARKS in 000's

| Authority | 1959 | 1960 | 1961 | 1962 |
|---------------------|-------|-------|-------|-------|
| Metro Toronto | 736 | 773 | 850 | 898 |
| Upper Thames | 119 | 88 | 103 | 160 |
| Grand | 187 | 178 | 185 | 231 |
| Credit..... | 100 | 96 | 88 | 96 |
| Big Creek | 17 | 36 | 125 | 80 |
| Niagara Peninsula . | ... | 48 | 58 | 70 |
| All Others | 216 | 244 | 263 | 315 |
| TOTAL..... | 1,375 | 1,463 | 1,672 | 1,850 |

WATER CONTROL PROJECTS completed by March 31st, 1962

| Authority | LARGE DAMS and RESERVOIRS | Year Completed | Cost |
|-------------------|------------------------------|-------------------|-----------------|
| Upper Thames..... | Fanshawe..... | 1953 | \$4, 912, 443 |
| Grand Comm..... | Shand | 1942 | 2, 056, 487 |
| | Luther Marsh | 1953 | 233, 985 |
| | Conestoga..... | 1959 | 4, 900, 000 |
| TOTAL | | | *\$12, 602, 915 |

CHANNEL IMPROVEMENT

| | | | |
|------------------|------------------------------|------|-------------|
| Ausable | Grand Ben | 1958 | \$ 25, 260 |
| Grand | Bridgeport | | 22, 531 |
| | Speed River, Guelph | 1961 | 778, 934 |
| | Phase I and II, Paris | 1961 | 13, 000 |
| Credit..... | Erindale..... | 1962 | 85, 000 |
| Maitland..... | Listowel..... | 1958 | 11, 863 |
| | Listowel..... | 1960 | 5, 490 |
| Metro Tronto ... | Long Branch, Etobicoke | 1949 | 226, 665 |
| | Don, York Mills | | 160, 000 |
| | Don, Lower | | 69, 436 |
| | Don, Lambton..... | 1960 | 306, 680 |
| | Black Creek, Lawrence Ave.. | 1961 | 46, 600 |
| | Lower Humber | 1959 | 281, 086 |
| | Lower Humber | 1960 | 698, 430 |
| North Grey | Peasmarsh (Indian Road) | 1960 | 1, 000 |
| Saugeen | Walkerton | | 13, 531 |
| Upper Thames... | Ingersoll | 1950 | 1, 002, 992 |
| | Mitchell, Phase I..... | 1960 | 35, 000 |

RIVER DIVERSIONS

| | | | |
|------------------|-----------------------------|------|---------------|
| Ausable | Port Franks | 1950 | 158, 802 |
| Metro Toronto... | Brampton, Etobicoke Road .. | 1952 | 976, 600 |
| | Don, West Branch | 1956 | 9, 701 |
| TOTAL..... | | | \$4, 928, 601 |

| | |
|---|-------------|
| STREAMBANK EROSION CONTROL | \$ 150, 188 |
| Metro Toronto... MAPPING, Acquisition of Flood Plain Lands | \$ 134, 400 |
| MISCELLANEOUS PROJECTS | \$ 91, 675 |

*Canada, 37-1/2%; Ontario, 37-1/2%; Authority, 25%.

WATER CONTROL PROJECTS completed by March 31st, 1962

| Authority | SMALL DAMS and Community Ponds | Year Completed | Cost |
|------------------|-----------------------------------|-------------------|------------|
| Ausable | Morrison at Exeter | 1957 | \$199, 198 |
| Big Creek | Sutton at Simcoe* | 1960 | 15, 000 |
| Credit | Orangeville (land purch.) | | 30, 082 |
| Crowe | Marmora* | 1960 | 29, 000 |
| | Allan's Mills* | 1960 | 2, 000 |
| Ganaraska | Garden Hill Dam | 1960 | 8, 700 |
| Grand | Queen St., Galt* | 1957 | 3, 574 |
| | Grand Valley* | 1957 | 15, 468 |
| | Wellesley | 1958 | 41, 808 |
| | Breslau | 1961 | 24, 166 |
| | Rockwood | 1961 | 18, 036 |
| Metro Toronto... | Black Creek Dam | 1960 | 198, 000 |
| Holland | Fairey Lake* | 1955 | 36, 914 |
| | Fairey Lake* | 1962 | 20, 000 |
| | Whitchurch* | 1958 | 3, 450 |
| Metro Region.... | Albion Hills | 1959 | 76, 000 |
| | Bolton | 1960 | 12, 500 |
| | Black Creek, North York.... | | 392, 000 |
| | Oakbank, Thornhill* | 1956 | 2, 527 |
| | Boyd | 1958 | 14, 000 |
| Moira | Deloro | 1953 | 51, 621 |
| | Lingham Lake* | 1960 | 8, 400 |
| Napanee | Second Deport Lake | 1957 | 193, 418 |
| North Grey | Sydenham, Owen Sound* | 1959 | 32, 000 |
| Sauble | McNab Lake* | 1959 | 1, 045 |
| | Parkhead Dam* | 1960 | 497 |
| | Rankin River* | 1961 | 21, 850 |
| | Shallow Lake Dam* | 1961 | 1, 300 |
| Sixteen Mile.... | Kelso Dam | 1962 | 430, 000 |
| South Nation.... | Casselman Dam* | 1958 | 35, 936 |
| Upper Thames... | Dorchester Pond | 1959 | 10, 868 |
| | Harrington Pond | 1953 | 32, 758 |
| | Shakespeare Pond | 1954 | 32, 730 |
| | Kirkton Pond | 1954 | 3, 500 |
| | Centreville Pond | 1955 | 12, 000 |

TOTAL..... \$2, 010, 646

*Repairs to existing structures.

NEW POLICIES

CORRECTIONS

[illegible]

FISH AND WILDLIFE BRANCH

Game and fish resources were of considerable concern to the Commissioner of Crown Lands during the period of the union of Upper Canada with Lower Canada, but a general realization of their true importance was not attained until later years under the Department of Game and Fisheries. In 1889, the control and management of fisheries were placed under the Crown Lands Department. In 1890, the game laws were amended. In 1897, the fishing service was transferred to the Attorney General.

The Department of Game and Fisheries developed until April 15th, 1946, when it was established as a Division of the Department of Lands and Forests; it was termed Branch in 1959.

Dr. W. J. K. Harkness, Chief of the new Division until his death in 1960, introduced many of the modern principles of fish and wildlife management.

Under Lands and Forests, the number of graduate biologists increased from two to more than fifty. Enforcement Officers became Conservation Officers and increased from 136 to more than 200. At peak periods, they are assisted by 200 or more biologists and other personnel and by approximately 1,300 Deputy Game and Fishery Wardens.

Dr. C. H. D. Clarke, appointed Chief on April 1st, 1961, has directed an increasingly intensive management of fish and wildlife resources to provide the maximum harvest consistent with conservation.

FISH AND WILDLIFE BRANCH

Chief: C.H.D. CLARKE

WILDLIFE SECTION

Supervisor: D.N. Omand
Game Management
Fur Management
Field Services

FISHERIES SECTION

Supervisor: H.H. MacKay
Game Fisheries and Hatcheries
Commercial Fisheries

SPECIAL STAFF

Chief's Clerical Staff
Departmental Consultant
Accounts and Staff Records
Reports, Publications and Laboratory

*FUR RETURNS by Ontario Game Management Districts in years ending June 30th

| Year | No. of Trappers | Beaver | Fisher | Arc. Fox | Col. Fox | ** Lynx | Marten | Mink | Muskrat | Otter | Raccoon | Skunk | Squirrel | Weasel |
|------|-----------------|---------|--------|----------|----------|---------|--------|--------|---------|-------|---------|-------|----------|--------|
| 1949 | 4,326 | 46,208 | 1,027 | 39 | 2,783 | 409 | 120 | 19,867 | 172,219 | 3,276 | 129 | 77 | 209 | 20,544 |
| 1950 | 4,917 | 62,717 | 310 | 14 | 1,727 | 389 | 48 | 30,750 | 146,145 | 3,488 | 66 | 169 | .... | 44,463 |
| 1951 | 11,379 | 81,790 | 662 | 139 | 3,341 | 415 | 1,045 | 31,323 | 408,662 | 6,137 | 6,667 | 4,538 | 4,121 | 32,002 |
| 1952 | 11,641 | 99,391 | 2,081 | 198 | 4,871 | 251 | 1,529 | 27,704 | 567,565 | 5,259 | 10,905 | 5,747 | 5,598 | 13,129 |
| 1953 | 12,332 | 109,260 | 2,414 | 54 | 5,784 | 1,216 | 2,210 | 28,904 | 671,642 | 6,410 | 9,874 | 5,749 | 16,077 | 23,727 |
| 1954 | 11,914 | 91,484 | 2,335 | 685 | 4,604 | 1,464 | 2,767 | 30,264 | 607,645 | 6,203 | 10,669 | 2,506 | 14,256 | 23,816 |
| 1955 | 12,310 | 115,439 | 2,915 | 98 | 2,879 | 1,547 | 3,587 | 29,520 | 640,865 | 6,224 | 99,641 | 1,879 | 16,133 | 28,813 |
| 1956 | 11,001 | 98,084 | 3,046 | 163 | 2,619 | 891 | 2,909 | 27,510 | 400,111 | 6,401 | 13,135 | 819 | 13,861 | 20,190 |
| 1957 | 9,529 | 106,738 | 2,127 | 60 | 1,253 | 564 | 4,467 | 36,284 | 443,153 | 5,727 | 10,551 | 1,105 | 19,440 | 17,981 |
| 1958 | 8,604 | 140,371 | 3,173 | 128 | 2,031 | 1,103 | 6,061 | 49,484 | 446,578 | 8,519 | 9,596 | 2,019 | 14,778 | 16,410 |
| 1959 | 7,826 | 120,566 | 2,365 | 302 | 1,858 | 2,242 | 4,559 | 44,926 | 337,936 | 6,698 | 4,200 | 572 | 11,330 | 11,626 |
| 1960 | 8,657 | 110,615 | 3,125 | 85 | 1,188 | 4,038 | 6,361 | 47,445 | 320,287 | 6,040 | 10,580 | 389 | 9,255 | 12,472 |
| 1961 | 9,100 | 132,375 | 3,348 | 98 | 1,655 | 4,502 | 9,325 | 61,520 | 304,731 | 7,422 | 7,433 | 216 | 12,496 | 12,631 |
| 1962 | 8,588 | 137,609 | 2,728 | 130 | 2,960 | 4,578 | 10,260 | 47,215 | 377,888 | 7,456 | 9,543 | 264 | 10,009 | 11,143 |

* Management began in 1947.

** Lynx includes Bob Cat.

VALUE OF PELTS, Exported or Tanned in years ending June 30th

| NUMBER OF PELTS | | | | VALUE OF PELTS | | | |
|-----------------|-----------|---------------|----------------|----------------|-------------|-------------|-------------|
| Year | Wild | Ranch Mink | Total Ranch | Total | Wild | Ranch | Total |
| 1947 | 876,204 | 73,770 | 101,430 | 977,634 | \$4,966,209 | \$2,262,888 | \$7,229,098 |
| 1948 | 1,001,249 | 125,829 | 155,468 | 1,156,717 | 4,040,847 | 2,346,039 | 6,386,885 |
| 1949 | 1,046,628 | 143,358 | 164,917 | 1,211,545 | 5,187,075 | 1,647,044 | 6,834,120 |
| 1950 | 931,890 | 143,513 | 158,912 | 1,090,802 | 4,248,297 | 2,165,233 | 6,413,530 |
| 1951 | 811,579 | 142,570 | 152,208 | 963,787 | 4,582,901 | 3,101,559 | 7,684,460 |
| 1952 | 959,431 | 144,436 | 152,284 | 1,111,715 | 3,656,919 | 2,355,226 | 6,012,145 |
| 1953 | 1,098,286 | 152,760 | 156,903 | 1,255,189 | 3,868,812 | 2,171,784 | 6,040,596 |
| 1954 | 1,016,672 | 131,192 | 132,759 | 1,149,431 | 2,682,762 | 1,905,518 | 4,588,280 |
| 1955 | 1,107,530 | 158,662 | 159,765 | 1,267,295 | 4,284,902 | 2,942,968 | 7,227,870 |
| 1956 | 786,608 | 171,723 | 172,985 | 959,593 | 2,989,521 | 4,129,555 | 7,119,077 |
| 1957 | 788,666 | 247,998 | 248,317 | 1,036,983 | 2,575,809 | 2,978,209 | 5,554,018 |
| 1958 | 791,165 | 237,172 | 237,930 | 1,029,095 | 2,713,427 | 3,943,119 | 6,656,546 |
| 1959 | 680,189 | 262,788 | 262,913 | 943,102 | 2,445,203 | 3,969,224 | 6,414,426 |
| 1960 | 641,093 | 286,845 | 287,265 | 928,358 | 2,831,174 | 4,450,571 | 7,281,744 |
| 1961 | 680,878 | 348,192 | 348,602 | 1,029,480 | 2,469,875 | 4,441,088 | 6,910,963 |
| 1962 | 627,283 | 385,650 | 385,962 | 1,013,245 | 2,451,075 | 5,593,485 | 8,044,560 |

REVENUE FROM PELTS, Exported or Tanned in years ending June 30th

| Year | NUMBER OF PELTS | | | ROYALTY ON WILD PELTS | | |
|------|------------------|-----------------|---------|-----------------------|-----------------|-----------|
| | Export Beaver | Total Export | Tanners | Export Beaver | Total Export | Tanners |
| 1947 | 45,847 | 762,998 | 214,636 | \$ 91,694 | \$188,560 | \$ 23,229 |
| 1948 | 20,083 | 862,700 | 294,017 | 40,166 | ..... | ..... |
| 1949 | 74,253 | 940,378 | 271,167 | 148,506 | 238,073 | 27,155 |
| 1950 | 65,600 | 909,079 | 181,723 | 131,200 | 219,949 | 18,075 |
| 1951 | 81,845 | 814,447 | 149,340 | 163,690 | 241,938 | 15,493 |
| 1952 | 105,503 | 922,868 | 188,847 | 211,006 | 300,321 | 19,556 |
| 1953 | 122,287 | 998,713 | 256,476 | 185,103 | 300,799 | 26,314 |
| 1954 | 105,071 | 908,990 | 240,441 | 157,635 | 268,823 | 25,430 |
| 1955 | 134,729 | 941,348 | 325,947 | 135,919 | 242,490 | 34,795 |
| 1956 | 112,663 | 769,027 | 190,566 | 112,663 | 196,956 | 20,767 |
| 1957 | 111,278 | 788,370 | 248,613 | 111,278 | 194,340 | 27,596 |
| 1958 | 140,930 | 879,316 | 149,779 | 140,930 | 224,921 | 9,407 |
| 1959 | 119,684 | 830,538 | 112,564 | 119,684 | 195,586 | 8,353 |
| 1960 | 109,757 | 821,984 | 106,374 | 109,757 | 188,562 | 6,950 |
| 1961 | 130,167 | 918,212 | 111,268 | 130,167 | 224,237 | 9,017 |
| 1962 | 135,949 | 897,511 | 115,734 | 135,949 | 217,870 | 5,999 |

BOUNTIES PAID in years ending March 31st

BEAR BOUNTY

12 mts.
and over
\$10 each

Under
12 mts.
\$5 each

Total
Amount
Paid

Year

| | | | |
|------|-------|-----|----------|
| 1947 | 959 | 73 | \$ 9,735 |
| 1948 | 509 | 17 | 5,095 |
| 1949 | 592 | 67 | 6,035 |
| 1950 | 803 | 122 | 8,530 |
| 1951 | 453 | 47 | 4,645 |
| 1952 | 408 | 29 | 4,180 |
| 1953 | 662 | 57 | 6,805 |
| 1954 | 947 | 145 | 10,000 |
| 1955 | 1,126 | 93 | 11,590 |
| 1956 | 614 | 50 | 6,310 |
| 1957 | 611 | 50 | 6,225 |
| 1958 | 1,568 | 300 | 16,930 |
| 1959 | 1,084 | 116 | 11,145 |
| 1960 | 697 | 139 | 7,590 |
| 1961 | 401 | 46 | 4,150 |
| 1962 | 328 | 33 | 3,405 |

WOLF BOUNTY

| | | | | |
|--------|-------|------|-------|-------------------------|
| Timber | Brush | Pups | Total | Total Amount Paid |
| 1,440 | 1,182 | 42 | 2,664 | \$59,275 |
| 1,515 | 961 | 74 | 2,540 | 54,923 |
| 1,581 | 1,062 | 84 | 2,727 | 57,977 |
| 1,613 | 890 | 41 | 2,544 | 56,927 |
| 1,405 | 651 | 44 | 2,100 | 46,457 |
| 1,198 | 634 | 63 | 1,895 | 41,803 |
| 1,313 | 739 | 68 | 2,120 | 46,550 |
| 1,101 | 720 | 70 | 1,891 | 41,853 |
| 1,075 | 620 | 41 | 1,736 | 38,703 |
| 1,088 | 559 | 28 | 1,675 | 37,550 |
| 1,195 | 486 | 71 | 1,752 | 38,950 |
| 1,047 | 574 | 34 | 1,655 | 37,255 |
| 1,169 | 606 | 49 | 1,824 | 41,589 |
| 939 | 528 | 42 | 1,509 | 33,619 |
| 1,320 | 761 | 57 | 2,138 | 48,766 |
| 1,136 | 794 | 68 | 1,998 | 44,510 |

* Payment of bear bounties ended on July 27th, 1961.

BREEDING STOCK ON LICENSED FUR FARMS at January 1st

| | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 |
|----------------------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|
| Fox | | | | | | | | | | | |
| Blue..... | 200 | 75 | 56 | 68 | 70 | 81 | 56 | 57 | 83 | 94 | 97 |
| Cross..... | 2 | 1 | 1 | 1 | 1 | 1 | 1 | ..... | ..... | ..... | ..... |
| Pearl Platinum..... | 449 | 349 | 294 | 230 | 251 | 155 | 119 | ..... | ..... | ..... | ..... |
| Platinum..... | 559 | 267 | 159 | 136 | 136 | 108 | 105 | 186 | 232 | 280 | 367 |
| Red..... | 11 | 6 | 1 | 3 | 4 | 6 | 7 | 12 | 13 | 14 | 9 |
| Standard Silver..... | 2,813 | 1,567 | 760 | 583 | 456 | 239 | 166 | 150 | 178 | 292 | 212 |
| White Marked..... | 226 | 111 | 50 | 26 | 16 | 9 | 6 | ..... | ..... | ..... | ..... |
| Total Fox..... | 4,260 | 2,375 | 1,321 | 1,047 | 934 | 599 | 460 | 405 | 506 | 680 | 685 |
| Mink..... | 73,034 | 73,535 | 70,160 | 75,340 | 85,332 | 101,721 | 109,936 | 119,299 | 130,294 | 142,600 | 154,626 |
| Beaver..... | 22 | 16 | 15 | 26 | 16 | 1 | 1 | 1 | 1 | 1 | 1 |
| Fisher..... | 21 | 13 | 10 | 9 | 11 | 12 | 12 | 8 | 2 | 2 | 1 |
| Lynx..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Marten..... | 35 | 36 | 54 | 62 | 70 | 81 | 85 | 76 | 89 | 96 | 97 |
| Muskrat..... | 99 | 192 | 264 | 707 | 82 | 62 | 54 | 47 | ..... | ..... | ..... |
| Raccoon..... | 46 | 47 | 68 | 57 | 47 | 43 | 43 | 33 | 24 | 22 | 20 |
| Skunk..... | 6 | 2 | ..... | ..... | ..... | 5 | 5 | 3 | 3 | 3 | 3 |
| NO. OF FARMS..... | 914 | 769 | 631 | 549 | 529 | 542 | 520 | 513 | 496 | 500 | 508 |

ACTIVITIES OF PHEASANT HUNTING PRESERVES, 1961-62

| Adminis- trative Districts | Number of Preserves | Total Acreage under Licence | Total Purchases | Total of birds Released | Number of birds removed by Hunters | Number of hunters on Preserve | Stock Birds on hand as of March 31, 1962 |
|----------------------------------|------------------------|-----------------------------------|--------------------|-------------------------------|---|---|--|
| Aylmer | 16 | 6,071 | 7,805 | 7,036 | 4,486 | 1,031 | 1915 |
| Hespeler | 9 | 4,715 | 7,497 | 7,902 | 4,144 | 724 | 716 |
| Maple | 5 | 1,378 | 5,963 | 5,154 | 3,302 | 1,376 | 285 |
| Lindsay | 6 | 1,422 | 1,204 | 1,922 | 1,251 | 330 | 355 |
| Parry Sound | 1 | 100 | 460 | 460 | 338 | 53 | NIL |
| Sudbury | 1 | 400 | 35 | 35 | 10 | 4 | NIL |
| Tweed | 2 | 397 | 175 | 4,880 | 1,305 | 170 | 500 |
| Kemptville | 2 | 700 | 425 | 255 | 203 | 54 | 5 |
| Sault Ste. Marie | 2 | 558 | 345 | 1,300 | 733 | 373 | 35 |
| Totals | 44 | 15,741 | 23,909 | 28,944 | 15,772 | 4,115 | 3811 |

ACTIVITIES OF COMMERCIAL PHEASANT FARMS, 1961-62

| PURCHASES | | | | SALES | | | | Stock on Hand as of March 31, 1962 | |
|----------------------------|-----------------------|-------|-------------------------|--------|------------------|--------|-------------------------|---|------------------------|
| Administrative District | Number of Farms | Eggs | Chicks and Poults | Adults | Dressed Birds | Eggs | Chicks and Poults | | Live Adult Birds |
| Kemptville..... | 4 | Nil | 25 | 409 | Nil | Nil | Nil | 14 | 269 |
| Lake Erie..... | 50 | 1,286 | 11,122 | 796 | 3,044 | 4,768 | 21,255 | 7,459 | 3,624 |
| Lake Huron..... | 65 | 190 | 10,262 | 2,296 | 8,339 | 1,560 | 3,261 | 1,860 | 2,643 |
| Lake Simcoe..... | 31 | 900 | 7,914 | 847 | 4,405 | 4,461 | 2,525 | 1,804 | 1,253 |
| Lindsay..... | 14 | 445 | 1,764 | 138 | 1,266 | 134 | 827 | 553 | 404 |
| Parry Sound..... | 1 | Nil | 315 | Nil | Nil | 150 | 814 | 410 | 121 |
| Pembroke..... | 1 | Nil | 170 | 35 | Nil | Nil | Nil | Nil | 50 |
| Sault Ste. Marie..... | 3 | Nil | 300 | 47 | 930 | Nil | 400 | 100 | 1,585 |
| Sudbury..... | 1 | Nil | Nil | Nil | 825 | Nil | Nil | 300 | Nil |
| Tweed..... | 11 | Nil | 1,085 | 20 | 1,391 | 72 | 145 | 413 | 1,009 |
| TOTAL..... | 181 | 2,821 | 32,957 | 4,588 | 20,200 | 11,145 | 29,227 | 12,913 | 10,958 |

HUNTING LICENCES SOLD

| Year | DEER | | MOOSE | | SMALL GAME | | BEAR & WOLF |
|------|----------|----------|---------|----------|------------|--------|----------------|
| | Resident | Non-Res. | Total | Resident | Non-Res. | Total | |
| 1944 | 38,654 | 2,385 | 41,039 | 875 | 653 | 1,528 | 181 |
| 1945 | 53,930 | 4,430 | 58,360 | 1,282 | 1,426 | 2,708 | 314 |
| 1946 | 62,913 | 7,877 | 70,790 | 1,694 | 1,230 | 2,924 | 783 |
| 1947 | 67,299 | 11,193 | 78,492 | 2,270 | 1,516 | 3,786 | 548 |
| 1948 | 73,700 | 11,300 | 85,000 | 3,000 | 1,700 | 4,700 | 1,600 |
| 1949 | 76,274 | 12,050 | 88,324 | * | * | * | 1,176 |
| 1950 | 84,380 | 12,440 | 96,820 | * | * | * | 1,127 |
| 1951 | 89,290 | 10,400 | 99,690 | 1,400 | * | 1,400 | 1,120 |
| 1952 | 96,790 | ** 870 | 97,660 | 3,620 | * | 3,620 | 3,060 |
| 1953 | 92,785 | 8,300 | 101,085 | 5,196 | 637 | 5,833 | 2,490 |
| 1954 | 92,800 | 10,400 | 103,200 | 7,500 | 730 | 8,230 | 1,520 |
| 1955 | 105,150 | 8,050 | 113,200 | 9,000 | 990 | 9,990 | 1,750 |
| 1956 | 98,079 | 7,426 | 105,505 | 13,441 | 1,521 | 14,962 | 2,031 |
| 1957 | 106,620 | 6,743 | 113,363 | 17,367 | 1,890 | 19,257 | 2,703 |
| 1958 | 109,322 | 6,044 | 115,366 | 22,688 | 2,362 | 25,050 | 4,803 |
| 1959 | 102,960 | 5,988 | 109,948 | 26,349 | 3,431 | 29,780 | 4,089 |
| 1960 | 114,400 | 6,004 | 120,404 | 31,948 | 4,212 | 36,160 | 3,828 |
| 1961 | 106,160 | 5,788 | 111,948 | 38,977 | 5,775 | 44,752 | 3,607 |

* Closed Season.

** U.S.A. ban on importation of cloven-hoofed animals.

TOTAL LICENCES SOLD

| Year | ANGLING | | HUNTING | | |
|------|----------|----------|----------|----------|---------|
| | Resident | Non-Res. | Resident | Non-Res. | Total |
| 1944 | ..... | 89,291 | 132,376 | 5,168 | 137,544 |
| 1945 | ..... | 126,367 | 186,680 | 9,451 | 196,131 |
| 1946 | ..... | 171,400 | 219,916 | 14,556 | 234,472 |
| 1947 | ..... | 196,785 | 240,667 | 16,877 | 257,544 |
| 1948 | 3,730 | 224,898 | 262,760 | 17,800 | 280,560 |
| 1949 | 4,434 | 240,278 | 281,980 | 16,526 | 298,506 |
| 1950 | 5,110 | 237,191 | 297,974 | 19,187 | 317,161 |
| 1951 | 4,785 | 272,180 | 330,730 | 16,480 | 347,210 |
| 1952 | 4,695 | 287,997 | 368,854 | 9,330 | 378,184 |
| 1953 | 4,712 | 308,500 | 354,322 | 15,237 | 369,559 |
| 1954 | 6,400 | 366,150 | 384,300 | 17,950 | 402,250 |
| 1955 | 6,450 | 377,220 | 432,150 | 16,800 | 448,950 |
| 1956 | 12,624 | 376,000 | 428,298 | 16,883 | 445,181 |
| 1957 | 15,806 | 397,435 | 465,825 | 17,428 | 483,253 |
| 1958 | 18,678 | 380,036 | 509,599 | 18,712 | 528,311 |
| 1959 | 22,005 | 389,811 | 507,975 | 19,751 | 527,726 |
| 1960 | 10,516 | 406,239 | 529,553 | 21,330 | 550,883 |
| 1961 | 11,735 | 422,378 | 522,184 | 22,273 | 544,457 |

PROSECUTIONS in years ending March 31st

| Year | Seiz- ures | Public Sales | *Total Sales | Convic- tions | Collected Costs | Fines |
|------|---------------|-----------------|-----------------|------------------|--------------------|----------|
| 1947 | 1,844 | \$..... | \$37,202 | 2,040 | \$1,216 | \$44,267 |
| 1948 | ..... | 4,700 | ..... | 2,880 | ..... | ..... |
| 1949 | 2,015 | 15,514 | 16,742 | 2,302 | 1,453 | 46,947 |
| 1950 | 2,697 | 7,053 | 17,222 | 2,704 | 1,746 | 45,808 |
| 1951 | 2,619 | 9,751 | 21,534 | 2,728 | 1,507 | 47,622 |
| 1952 | 2,763 | 9,422 | 23,847 | 2,862 | 1,476 | 48,335 |
| 1953 | 2,872 | ..... | 23,633 | 2,880 | 1,387 | 50,460 |
| 1954 | 2,975 | ..... | 25,157 | 3,052 | 1,442 | 47,715 |
| 1955 | 3,005 | 9,239 | 27,009 | 3,102 | 1,274 | 52,088 |
| 1956 | 2,929 | 7,414 | 23,213 | 2,967 | 1,281 | 44,444 |
| 1957 | 2,751 | 9,389 | 24,596 | 2,620 | 1,204 | 43,895 |
| 1958 | 2,996 | 9,392 | 24,320 | 3,040 | 1,602 | 47,443 |
| 1959 | 2,472 | 10,397 | 25,018 | 2,460 | 1,183 | 42,876 |
| 1960 | 2,290 | 9,236 | 20,612 | 2,198 | 1,186 | 45,136 |
| 1961 | 2,424 | 9,698 | 19,217 | 2,160 | 1,064 | 48,557 |
| 1962 | 2,050 | 7,431 | 15,159 | 2,019 | 927 | 43,720 |

*Includes Redemptions.

FISH DISTRIBUTION FROM ONTARIO PROVINCIAL HATCHERIES in 1961

| HATCHERY | Brook Trout | Lake Trout | Rainbow Trout | Brown Trout | Largemouth Bass | Smallmouth Bass | Maskinonge | Whitefish | Walleye | Splake |
|--------------------------------------|--|------------------------------|-------------------------------|-------------|-----------------|-------------------------------|------------------------|-------------|------------------------|---------|
| Chatsworth (TRS) | 15,000Fg 148,260Y | 30,000Fg 20,500Y | 12,500Fg 30,580Y | 640 Fg | - | - | - | - | - | - |
| Codrington (TRS) | 41,950Y | - | - | - | - | - | - | - | - | - |
| Deer Lake (PS) | 53,565Y | - | - | - | - | - | 2,832,500F 74,500Fg | - | - | - |
| Dorion (TRS) | 311,925Fg 34,795Y 760A | 278,980Y | 1,740Y | - | - | - | - | - | - | - |
| Hill Lake (TRS) | 30,000E 67,900Fg 337,680Y 48,002A | 43,700F 28,050Y 8,278A | 46,396Fg 4,855Y | - | - | - | - | - | - | - |
| Kenora (JH) | 120,500Fg | 48,000Fg | - | - | - | - | - | - | - | - |
| Kingsville (JH) | - | - | - | - | - | - | - | 13,875,000E | 23,200,000E | - |
| Little Current (JH) | - | - | - | - | - | - | - | 53,685,000F | 585,000E | - |
| Midhurst (PS) | 84,900Y | - | - | - | - | - | - | - | - | - |
| Mount Pleasant and Ingersoll (PS) | 17,500Y | - | - | - | - | - | - | - | - | - |
| Normandale (TRS) | 47,000Y | - | - | 4,000Y | 8,000Fg 178A | 2,000Fg 175A | - | - | - | - |
| North Bay (TRS) | 118,250Y | 13,500Y | 3,000E 26,000Y 12,000Fg | - | - | - | - | - | - | - |
| Pembroke (TRS) | 22,900A 122,800Fg 199,290Y | 70,000Fg | 7,000Y | - | - | - | - | - | - | - |
| Port Arthur (TH) | - | 66,000Fg | - | - | - | - | - | - | - | - |
| Sandfield (PS) | 223,850Y | 10,640Y | 1,000Fg | - | - | 110,000F 65,000Fg 159A | - | - | - | 5,640A |
| Tarentorus (TRS) | 79,500Fg 295,985Y 900A | 229,000Y | 18,800Y | - | - | - | - | - | - | 97,068Y |
| Skeleton Lake (PS) | 46,000Fg 150,300Y | 42,000Y | 60,000Y | - | - | 88,000Fg 108A | - | - | - | - |
| Westport (PS) | 5,000Y | 10,000Y | 4,100Y | 1,000Y | 17,250Fg | 27,300Fg | - | - | - | - |
| White Lake (PS) | 295,550Y | 20,000Fg 82,000Y | 76,500Y | - | - | 120,000Fg 87,900Fg 177A | - | - | 3,280,000E 66,923Fg | - |
| Warton (TH) | - | 135,500Fg | - | - | - | - | - | - | - | - |

Other Species: 1,300 Aurora Trout yearlings were distributed from Hill Lake Hatchery.

TRS - Trout Rearing Station PS - Pond Station JH - Jar Hatchery TH - Trough Hatchery E - Eggs F - Fry Fg - Fingerlings Y - Yearlings A - Adults

DISTRIBUTION OF HATCHERY FISH in 000's

| SPECIES | *1951 | *1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 |
|------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BASS, Largemouth. | | | | | | | | | | | |
| Fry..... | 826 | 544 | 330 | 720 | 282 | 360 | 190 | 46 | 45 | 231 | .... |
| Fingerling..... | 145 | 97 | 328 | 279 | 343 | 122 | 129 | 63 | 46 | 30 | 25 |
| Yearling and Adult..... | 1 | 1 | 1 | .... | 4 | 1 | 3 | 1 | .... | .... | .... |
| BASS, Smallmouth. | | | | | | | | | | | |
| Fry..... | 935 | 358 | 720 | 820 | 209 | 803 | 468 | 130 | 89 | 156 | 230 |
| Fingerling..... | 402 | 385 | 623 | 452 | 529 | 369 | 132 | 133 | 227 | 178 | 270 |
| Yearling and Adult..... | 14 | 15 | 18 | 14 | 25 | 19 | 1 | 5 | .... | 1 | 1 |
| BLUEGILLS | | | | | | | | | | | |
| Fingerling..... | .... | .... | .... | .... | 2 | .... | .... | .... | .... | .... | .... |
| Adult..... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| CHARR, French Alpine. | | | | | | | | | | | |
| Fingerling..... | .... | .... | .... | .... | .... | 21 | .... | .... | .... | .... | .... |
| Yearling..... | .... | .... | .... | 1 | .... | .... | .... | 2 | .... | .... | .... |
| Adult..... | .... | .... | .... | .... | .... | .... | .... | 5 | .... | .... | .... |
| CHARR, Pennsylvania. | | | | | | | | | | | |
| Fingerling..... | .... | .... | .... | .... | 2 | .... | .... | .... | .... | .... | .... |
| GRAYLING, Arctic. | | | | | | | | | | | |
| Yearling..... | .... | .... | .... | .... | .... | .... | .... | .... | 26 | .... | .... |
| HERRING | | | | | | | | | | | |
| Eggs..... | .... | .... | .... | 900 | 398 | .... | 1,840 | .... | 1,068 | .... | .... |
| Fry..... | 8,100 | 1,100 | 3,600 | 2,717 | 3,400 | 350 | .... | .... | .... | 50 | .... |
| MASKINONGE | | | | | | | | | | | |
| Fry..... | 2,360 | 3,750 | 2,740 | 3,550 | 3,712 | 3,610 | 2,430 | 2,940 | 4,070 | 3,390 | 2,833 |
| Fingerling..... | 22 | 62 | 43 | 40 | 51 | 74 | 39 | 18 | 50 | 51 | 75 |
| Adult..... | .... | .... | .... | .... | .... | .... | 1 | 1 | .... | .... | .... |

| | | | | | | | | | | | | |
|--------------------|---------|---------|---------|---------|--------|---------|--------|--------|--------|--------|--------|------|
| OUANANICHE | | | | | | | | | | | | |
| Fingerling..... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| Yearling..... | .... | 24 | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| Adult..... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| PERCH | | | | | | | | | | | | |
| Fry..... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| PICKEREL (Walleye) | | | | | | | | | | | | |
| Eggs..... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| Fry..... | 234,610 | 176,285 | 270,975 | 227,000 | 91,800 | 138,805 | 90,565 | 56,245 | 30,875 | 53,790 | 27,065 | .... |
| Fingerling..... | .... | .... | .... | 6,000 | 8,310 | .... | .... | .... | 3,040 | 3,600 | .... | .... |
| Adult..... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| Fry..... | .... | .... | 2 | 1 | .... | .... | .... | .... | .... | .... | 67 | .... |
| SALMON, Atlantic | | | | | | | | | | | | |
| Fingerling..... | .... | 72 | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| SALMON, Chum. | | | | | | | | | | | | |
| Eggs..... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... |
| Fingerling..... | .... | .... | .... | .... | 423 | .... | .... | .... | .... | .... | .... | .... |
| Fry..... | .... | .... | .... | .... | 449 | .... | .... | .... | .... | .... | .... | .... |
| SALMON, Pink. | | | | | | | | | | | | |
| Eggs..... | .... | .... | .... | .... | .... | 513 | .... | .... | .... | .... | .... | .... |
| Fingerling..... | .... | .... | .... | .... | .... | 224 | .... | .... | .... | .... | .... | .... |
| SPLAKE | | | | | | | | | | | | |
| Fingerling..... | .... | .... | 25 | .... | .... | .... | 16 | .... | .... | .... | .... | .... |
| Yearling..... | .... | .... | .... | 17 | 10 | 8 | 16 | 208 | 135 | 13 | 97 | .... |
| Adult..... | .... | .... | .... | 2 | .... | .... | .... | .... | 1 | .... | 6 | .... |
| TROUT, Aurora. | | | | | | | | | | | | |
| Fingerling..... | .... | .... | .... | .... | .... | .... | .... | .... | 2 | 2 | .... | .... |
| Yearling..... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | 1 |
| TROUT, Brown | | | | | | | | | | | | |
| Eggs..... | .... | .... | .... | .... | .... | .... | 8 | .... | .... | .... | .... | .... |
| Fingerling..... | 283 | 108 | 92 | 100 | 101 | 29 | 36 | 22 | .... | 2 | 1 | .... |
| Yearling..... | 55 | 140 | 103 | 178 | 234 | 151 | 170 | 133 | 193 | 85 | 5 | .... |

DISTRIBUTION OF HATCHERY FISH in 000's

| SPECIES | *1951 | *1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 |
|------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|----------------|----------------|
| TROUT, Kamloops | | | | | | | | | | | |
| Eggs..... | .... | .... | .... | 2** | 2** | 10 | 13 | 26 | 20 | .... | **3 |
| Fry..... | .... | .... | .... | .... | .... | .... | .... | 10 | .... | .... | .... |
| Fingerling..... | .... | 1 | .... | 1** | 3** | .... | 32 | 15 | 20 | 28 | .... |
| Yearling..... | 35 | 73 | 108 | 141** | 83** | 78 | 123 | 95 | 95 | 79 | .... |
| Adult..... | .... | .... | .... | .... | 1** | .... | .... | 32 | 1 | .... | .... |
| TROUT, Lake | | | | | | | | | | | |
| Eggs..... | .... | .... | .... | .... | .... | 12 | .... | .... | .... | .... | .... |
| Fry..... | 1,775 | 1,849 | 250 | .... | 28 | 10 | .... | .... | 40 | .... | 44 |
| Fingerling..... | 3,147 | 3,499 | 6,985 | 2,606 | 2,612 | 736 | 230 | 374 | 274 | 389 | 370 |
| Yearling..... | 134 | 231 | 172 | 415 | 241 | 320 | 39 | 832 | 634 | 653 | 715 |
| Adult..... | .... | .... | .... | .... | .... | .... | .... | 9 | .... | .... | 8 |
| TROUT, Rainbow | | | | | | | | | | | |
| Fingerling..... | 10 | 2 | 25 | ....** | ....** | .... | .... | .... | .... | .... | 102 |
| Yearling..... | .... | .... | 1 | ....** | ....** | .... | .... | .... | .... | .... | 229 |
| TROUT, Speckled | | | | | | | | | | | |
| Eggs..... | .... | .... | .... | 720 | 50 | .... | 200 | .... | 580 | 49 | 30 |
| Fry..... | .... | .... | .... | .... | .... | 35 | 91 | .... | .... | 15 | .... |
| Fingerling..... | 945 | 537 | 1,963 | 166 | 842 | 1,332 | 522 | 789 | 455 | 864 | 764 |
| Yearling..... | 3,087 | 2,721 | 3,251 | 2,056 | 1,991 | 2,092 | 2,677 | 2,079 | 1,807 | 1,616 | 2,052 |
| Legal Size..... | 12 | 19 | 14 | 4 | 16 | 19 | 10 | 10 | 84 | 76 | 73 |
| WHITEFISH | | | | | | | | | | | |
| Eggs..... | .... | .... | .... | 42,665 | 67,165 | 51,178 | 13,435 | 30,940 | 1,000 | 12,000 | 13,875 |
| Fry..... | 121,185 | 200,400 | 186,700 | 139,210 | 102,950 | 11,130 | 67,275 | 47,515 | 44,985 | 62,993 | 53,685 |
| TOTAL..... | 378,080 | 392,272 | 479,069 | 430,780 | 286,267 | 212,410 | 180,704 | 142,682 | 89,880 | 140,342 | 102,623 |

*Figures for 1947-1952 Compiled on Fiscal Year Basis.

**Rainbow Trout Included in Kamloops Trout Plantings.

NEW POLICIES

[illegible]

FOREST PROTECTION BRANCH

The first legislation on forest protection was placed in the statutes in 1878 as "An Act to Preserve the Forests from Destruction by Fire".

The late Aubrey White, Deputy Minister from 1887 to 1915, is regarded as the father of forest protection as the term is understood today. His extensive report on forest fire losses on March 30th, 1885, led to Ontario's first system of fire ranging, instituted in 1885. The expenses were shared by the province and licensees.

In the annual report for the following year, Mr. White stated: "Last year was the first year of the experiment which was found to work in a satisfactory manner to the Department as well as to the licensees... the net expense to the province was under \$5,000." Mr. White asked for \$8,000 for his new budget.

In 1897, fire rangers were placed on unlicensed Crown Lands at public expense. In 1910, licensees were assessed the full costs of fire ranging on limits.

The Forest Fires Prevention Act of 1917 established the Fire Permit system to control settlers' fires. The Crown Timber Act of the same year established the fire tax, an annual per-acre protection charge on licensed lands.

In 1948, The Forest Fires Prevention Act was rewritten in its present form; minor amendments have been made from time to time.

ORGANIZATION

In 1917, the fire ranging service was transferred from Woods and Forests Branch to the Provincial Forester, a new position created under E. J. Zavitz. In 1924, the Provincial Air Service was established. In 1934, forest ranging was combined with fire ranging.

In 1941, Forest Protection and Air Service were established as separate Divisions under C. R. Mills and G. E. Ponsford, respectively. J. A. Brodie acted for Mr. Mills during his absence on war service.

T. E. Mackey was appointed Chief of Forest Protection on November 1st, 1946.

Forest Protection and Air Service were joined as Branches under Mr. Mackey within the Division of Forest Protection on December 1st, 1957. Exactly two years later, the units were termed Sections and Branch, respectively.

FOREST PROTECTION BRANCH

Chief: T.E. MACKEY

Assistant Chief: J.M. WHALEN

FOREST PROTECTION SECTION

Supervisor: W.T. Foster

Fire Prevention and Control
Forest Insects and Disease
Improvements and Equipment
Radio and Telephone Communications
Records Statistics
Clerical and Stenographic Staff

AIR SERVICE SECTION (Sault Ste. Marie)

Supervisor: W.B. Buckworth

Procurement, Operation and Maintenance of
fleet of aircraft
Supervisory Personnel

TECHNICAL DEVELOPMENTS

Portable pumps, powered by motors, were used for the first time in 1917.

Early experiments with radio communications began at Sudbury, but the first organized radio service was established in 1927 in the Red Lake Division of what is now Sioux Lookout District. In 1935, V. H. F. radio equipment was installed in towers. In 1939, aircraft were fitted with radio. In 1949, the province-wide network was completed with the "key" station at Maple.

Suppression crews were first carried on routine air patrols in 1952.

Helicopters were used throughout the fire season for the first time in 1953.

The bad fire year of 1955 resulted in the first large-scale attack on fires in the modern manner. The suppression action featured mobility of resources.

In 1961, a total of 70 aircraft were engaged at various periods in suppressing Sioux Lookout fires.

The Forest Insect Laboratory was completed at Sault Ste. Marie in 1946. The Laboratory of Forest Pathology was completed at the Southern Research Station in Maple in 1953.

HISTORIC FIRES

1855 - Fires burned eastward to Lake Temiskaming, up the Monteith River to its source and westward along the height of land to Michipicoten on Lake Superior.

1864 - Fires burned from Thessalon to Lake Nipissing.

1871 - Fires burned over 2,000 square miles along the French River and Lake Nipissing, up the Sturgeon River, west to the Spanish and Mississagi head waters and down the Mississagi River for 50 miles.

1901 - Fires burned over more than 3,000 square miles south and west from Lake Kesagami.

BAUDETTE-RAINY RIVER, 1910 - Hurricane winds swept four fires (one caused by settlers and three by locomotives) over 300 square miles; 42 persons were killed.

PORCUPINE, 1911 - This fire burned over 864 square miles, taking 73 lives and causing \$3,000,000 property damage.

MATHESON, 1916 - The death toll was 223 as more than 1,000 square miles burned; property damage: \$2,000,000.

HAILEYBURY, 1922 - Over 2,000 square miles were burned over; 44 lives were lost; property damage was \$6,000,000.

GARDEN LAKE, 1930 - A camp fire, fanned by a gale, burned 70 miles in 36 hours in a strip from two to four miles wide.

HISTORIC FIRES (Continued)

FORT FRANCES, 1938 - Approximately 300 small clearing fires, fanned by high winds, joined to make four large fires which destroyed 93,000 acres and killed 20 persons.

GOGAMA, 1941 - A merger of three fires (believed to be incendiary in origin) burned over 330,000 acres.

MISSISSAGI, 1948 - An unguarded road clearing fire near Chapleau and fire deep in the bush (believed started by a trapper) burned over 900,000 acres. Prompt action salvaged 200,000 M. B. F. of lumber and 125,000 cords of pulpwood.

SIOUX LOOKOUT, 1961 - Following a three-year drought, dry lightning storms and high winds caused fires between Lake Nipigon and Manitoba. In four weeks beginning June 15th, 12 fires burned over 1,125,000 acres in areas accessible only by aircraft.

AIR SERVICE SECTION

The Provincial Air Service began in 1924 with the purchase of twenty HS2L flying boats; 2,500 hours were flown the first year. Bases were opened at strategic points throughout the forest area and fuel caches were located at appropriate intervals. W. Roy Maxwell, previously with Laurentide Air Service, was appointed as first Director.

George E. Ponsford, widely experienced in both war and peacetime flying, became Director in 1934.

The most important additions to the fleet were 16 D.H. Moth seaplanes, first purchased in 1927; Vickers Vedette amphibians, 1929; four Hamilton seaplanes, 1930; four Fairchild seaplanes, 1930; four Buhls, 1935; nine Stinson gull wings, 1937; and 15 Norseman seaplanes, purchased from 1944 to 1952.

The purchase of the first Beaver aircraft in 1948 (see Aircraft Service Record) was the beginning of a new efficiency in flying operations. The Beaver and the larger model, the Otter, were designed and built to meet Department requirements. Their success in Ontario has led to their establishment in many parts of the world.

Six Beavers have been sold and others have been lost in service: at Geraldton in 1950; at Temagami in 1951; at Dryden in 1952; at Lauzon Lake in 1953; at Ear Falls in 1959.

An Otter was written off in north-western fire area in 1961.

In spite of unfavourable flying conditions, only 26 aircraft have been written off. The last of 19 flying fatalities occurred in May, 1952.

The development of water-dropping equipment, begun in 1945, was culminated in 1957 with the successful use of water tanks mounted on aircraft floats. By 1958, all Service aircraft were equipped with tanks which have proved to be very valuable in suppression operations. The newest tanks are streamlined and operate automatically. In 1961, they were modified to turn inwardly.

W. B. Buckworth was appointed Supervisor on February 19, 1962.

ESTIMATED FIRE DAMAGE

| Year | TIMBER DAMAGE (000's Cu. Ft.) | | | TIMBER DAMAGE (Crown Dues, Only) | | | DAMAGE TO REPRODUCTION* | | | TOTAL DAMAGE | PRIVATE PROPERTY DAMAGE |
|-------|----------------------------------|---------|-----------|-------------------------------------|----------|------------|-------------------------|----------|-----------|-----------------|-------------------------------|
| | Crown | Private | Total | Crown | Private | Total | Crown | Private | Total | | |
| 1950 | 1,624 | 1,937 | 3,561 | \$ 16,244 | \$19,365 | \$ 35,609 | \$ 8,611 | \$10,927 | \$ 19,538 | \$ 55,148 | \$103,682 |
| 1951 | 29,401 | 188 | 29,590 | 294,015 | 1,880 | 295,895 | 92,431 | 1,121 | 93,552 | 389,447 | 56,389 |
| 1952 | 1,401 | 577 | 1,978 | 14,013 | 5,769 | 19,782 | 9,169 | 553 | 9,722 | 29,504 | 31,347 |
| 1953 | 27,934 | 1,688 | 29,622 | 279,340 | 16,880 | 296,220 | 87,811 | 9,843 | 97,654 | 393,874 | 81,778 |
| 1954 | 24,825 | 84 | 24,909 | 248,249 | 838 | 249,087 | 156,362 | 793 | 157,154 | 406,241 | 15,650 |
| 1955 | 267,186 | 587 | 267,773 | 2,671,857 | 5,870 | 2,677,727 | 900,331 | 13,622 | 913,953 | 3,591,680 | 184,940 |
| 1956 | 155,305 | 74 | 155,378 | 2,868,133 | 2,118 | 2,870,251 | 195,491 | 2,411 | 197,901 | 3,068,152 | 22,319 |
| 1957 | 20,107 | 1,014 | 21,121 | 406,376 | 21,876 | 428,252 | 23,086 | 11,722 | 34,808 | 463,059 | 113,751 |
| 1958 | 8,721 | 2,465 | 11,186 | 173,377 | 49,309 | 222,685 | 53,576 | 35,242 | 88,818 | 311,503 | 97,036 |
| 1959 | 680 | 42 | 722 | 13,882 | 826 | 14,709 | 2,579 | 4,752 | 7,332 | 22,041 | 20,757 |
| 1960 | 21,293 | 123 | 21,416 | 425,860 | 2,470 | 428,330 | 8,337 | 1,427 | 9,764 | 438,094 | 56,442 |
| 1961 | 1,595,447 | 750 | 1,596,196 | 31,908,935 | 14,993 | 31,923,928 | 62,187 | 3,687 | 65,874 | \$31,989,802 | 152,638 |
| 1962† | 2,395 | 98 | 2,493 | 47,900 | 1,955 | 49,855 | 10,910 | 7,586 | 18,496 | 68,351 | 73,427 |

* Protection Charges, 1950-1955.

§ Most of this timber was inaccessible.

† Preliminary report.

FOREST FIRE SUMMARY

| Year | NUMBER OF ACRES BURNED OVER | | | Number Of Fires | Average Acreage |
|-------|-----------------------------|---------|-----------|--------------------|--------------------|
| | Crown | Private | Total | | |
| 1917 | ..... | ..... | 384,164 | 1,110 | 346 |
| 1918 | ..... | ..... | 30,172 | 965 | 31 |
| 1919 | ..... | ..... | 922,161 | 1,780 | 518 |
| 1920 | ..... | ..... | 358,851 | 1,287 | 279 |
| 1921 | ..... | ..... | 749,534 | 1,269 | 591 |
| 1922 | ..... | ..... | 346,193 | 1,021 | 339 |
| 1923 | ..... | ..... | 2,120,148 | 1,343 | 1,579 |
| 1924 | ..... | ..... | 146,017 | 851 | 171 |
| 1925 | ..... | ..... | 189,543 | 1,149 | 165 |
| 1926 | 65,888 | 22,486 | 88,374 | 1,110 | 80 |
| 1927 | 22,772 | 12,970 | 35,742 | 924 | 39 |
| 1928 | 96,436 | 3,947 | 100,383 | 536 | 189 |
| 1929 | 608,750 | 16,893 | 625,643 | 1,550 | 404 |
| 1930 | 357,531 | 354,278 | 711,809 | 1,402 | 508 |
| 1931 | 105,866 | 32,421 | 138,287 | 1,851 | 75 |
| 1932 | 626,555 | 52,466 | 679,021 | 2,073 | 328 |
| 1933 | 325,034 | 24,924 | 349,958 | 1,919 | 182 |
| 1934 | 160,348 | 38,285 | 198,633 | 1,568 | 127 |
| 1935 | 183,179 | 67,483 | 250,662 | 1,309 | 191 |
| 1936 | 1,153,876 | 110,557 | 1,264,433 | 2,264 | 558 |
| 1937 | 201,887 | 22,859 | 224,746 | 1,453 | 155 |
| 1938 | 96,168 | 42,077 | 138,245 | 1,292 | 107 |
| 1939 | 26,089 | 3,009 | 29,098 | 961 | 30 |
| 1940 | 100,990 | 20,624 | 121,614 | 1,014 | 120 |
| 1941 | 271,793 | 394,754 | 666,547 | 1,265 | 527 |
| 1942 | 77,709 | 36,007 | 113,716 | 1,224 | 93 |
| 1943 | 33,465 | 19,352 | 52,817 | 624 | 85 |
| 1944 | 73,228 | 95,663 | 168,891 | 1,137 | 149 |
| 1945 | 17,997 | 30,513 | 48,510 | 966 | 47 |
| 1946 | 44,656 | 32,113 | 76,769 | 1,739 | 44 |
| 1947 | 38,093 | 45,939 | 84,032 | 1,393 | 60 |
| 1948 | 854,778 | 162,611 | 1,017,389 | 2,036 | 500 |
| 1949 | 40,593 | 19,472 | 60,065 | 1,834 | 33 |
| 1950 | 13,203 | 23,577 | 36,780 | 985 | 37 |
| 1951 | 96,662 | 4,581 | 101,243 | 904 | 112 |
| 1952 | 7,264 | 5,157 | 12,421 | 1,095 | 11 |
| 1953 | 44,519 | 14,290 | 58,809 | 1,520 | 39 |
| 1954 | 36,115 | 18,578 | 54,693 | 881 | 62 |
| 1955 | 370,948 | 25,475 | 396,423 | 2,252 | 176 |
| 1956 | 221,822 | 4,390 | 226,212 | 1,017 | 222 |
| 1957 | 24,250 | 22,401 | 46,651 | 1,671 | 28 |
| 1958 | 25,544 | 11,108 | 36,652 | 1,558 | 24 |
| 1959 | 2,580 | 2,701 | 5,281 | 1,029 | 5 |
| 1960 | 29,190 | 2,196 | 31,386 | 956 | 33 |
| 1961 | 1,180,900 | 3,828 | 1,184,728 | 1,305 | 908 |
| 1962* | 7,551 | 6,246 | 13,797 | 1,521 | 9 |

*Preliminary report

1962 FOREST FIRES (Preliminary Report)

| DISTRICT | NUMBER OF FIRES | ACRES BURNED | AVERAGE ACREAGE |
|-----------------------|--------------------|-----------------|--------------------|
| Chapleau..... | 26 | 23 | 1 |
| Cochrane..... | 1,230 | 26 | 47½ |
| Fort Frances..... | 3 | 10 | -- |
| Geraldton..... | 529 | 31 | 17½ |
| Gogama..... | 224 | 44 | 5 |
| Kapuskasing..... | 1,566 | 30 | 52 |
| Kenora..... | 260 | 50 | 5 |
| Lake Huron..... | 14 | 10 | 1½ |
| Lake Simcoe..... | 25 | 27 | 1 |
| Lindsay..... | 200 | 57 | 4 |
| North Bay..... | 1,258 | 141 | 9 |
| Parry Sound..... | 349 | 258 | 1½ |
| Pembroke..... | 456 | 128 | 3½ |
| Port Arthur..... | 106 | 46 | 2½ |
| Sault Ste. Marie..... | 384 | 80 | 5 |
| Sioux Lookout..... | 1,300 | 59 | 22 |
| Sudbury..... | 4,440 | 332 | 13 |
| Swastika..... | 789 | 41 | 19 |
| Tweed..... | 560 | 106 | 5 |
| White River..... | 78 | 22 | 2½ |
| MONTHS | | | |
| April..... | 127 | 1,280 | 10 |
| May..... | 246 | 1,657 | 6½ |
| June..... | 231 | 3,750 | 16 |
| July..... | 450 | 3,413 | 7 |
| August..... | 285 | 3,209 | 11 |
| September..... | 137 | 284 | 2 |
| October..... | 24 | 62 | 2½ |
| November..... | 21 | 142 | 7 |
| Total..... | 1,521 | 13,797 | 9 |

FOREST FIRES CLASSIFIED BY ORIGIN, AGENCY OF DETECTION, AND SIZE

| ORIGIN | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 | *1962 |
|--------------------|-------|-------|------|------|-------|-------|------|-------|-------|-------|-------|-------|------|-------|-------|
| Land Clearing.... | 147 | 152 | 107 | 74 | 112 | 92 | 42 | 148 | 49 | 125 | 123 | 52 | 55 | 80 | 116 |
| Camping..... | 432 | 451 | 256 | 191 | 315 | 388 | 221 | 390 | 196 | 379 | 325 | 323 | 265 | 295 | 667 |
| Smokers..... | 461 | 340 | 258 | 173 | 214 | 279 | 147 | 298 | 145 | 342 | 371 | 159 | 116 | 201 | ... |
| Railways..... | 333 | 138 | 99 | 139 | 131 | 188 | 82 | 189 | 122 | 176 | 149 | 67 | 49 | 62 | 78 |
| Road Construction | 46 | 85 | 47 | 28 | 26 | 13 | 11 | 13 | 34 | 73 | 63 | 12 | 18 | 15 | ... |
| Logging..... | 52 | 52 | 29 | 38 | 31 | 24 | 13 | 53 | 22 | 39 | 17 | 25 | 20 | 19 | 26 |
| Mining..... | 6 | 6 | 3 | 12 | 5 | 2 | 3 | 11 | 6 | 7 | 1 | 2 | 2 | 2 | 9 |
| Prospectors..... | 2 | 6 | 1 | ... | ... | 1 | 2 | 11 | 8 | 3 | 1 | 4 | 1 | 1 | ... |
| Incendiary..... | 35 | 32 | 16 | 16 | 13 | 19 | 25 | 31 | 8 | 26 | 43 | 13 | 12 | 31 | 38 |
| Miscellaneous.... | 31 | 94 | 68 | 74 | 108 | 143 | 74 | 148 | 123 | 194 | 229 | 116 | 97 | 143 | 277 |
| Unknown..... | 9 | 10 | 8 | 8 | 10 | 14 | 9 | 32 | 2 | 32 | 17 | 14 | 11 | 11 | 9 |
| Lightning..... | 433 | 468 | 93 | 151 | 130 | 357 | 252 | 928 | 302 | 275 | 219 | 242 | 310 | 445 | 301 |
| Total..... | 2,036 | 1,834 | 985 | 904 | 1,095 | 1,520 | 881 | 2,252 | 1,017 | 1,671 | 1,558 | 1,027 | 956 | 1,305 | 1,521 |
| Man Caused - Total | 1,603 | 1,366 | 892 | 753 | 965 | 1,163 | 629 | 1,324 | 715 | 1,396 | 1,339 | 785 | 646 | 860 | 1,220 |
| Percentage.. | 79 | 74 | 91 | 83 | 88 | 77 | 71 | 59 | 70 | 84 | 86 | 76 | 68 | 66 | 80 |
| Prosecutions..... | ... | ... | ... | ... | ... | ... | ... | ... | 62 | 55 | 71 | 38 | 31 | 54 | 47 |
| Convictions..... | ... | ... | ... | ... | ... | ... | ... | ... | 56 | 41 | 62 | 35 | 30 | 47 | 43 |

* Preliminary Report

System of reporting changed in 1962.

| MEANS OF DETECTION | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 | *1962 |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Towers..... | 575 | 630 | 352 | 310 | 344 | 528 | 353 | 891 | 262 | 575 | 581 | 414 | 304 | 419 | 628 |
| Aircraft..... | 411 | 337 | 117 | 122 | 139 | 216 | 126 | 395 | 189 | 202 | 121 | 91 | 158 | 246 | 153 |
| Rangers..... | 241 | 168 | 93 | 72 | 82 | 122 | 46 | 102 | 57 | 141 | 87 | 66 | 63 | 74 | 89 |
| Public..... | 809 | 699 | 423 | 400 | 530 | 654 | 356 | 864 | 509 | 753 | 769 | 458 | 431 | 566 | 651 |

| SIZE | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 | *1962 |
|-------------------------|------|------|------|------|------|------|------|-------|------|------|------|------|------|------|-------|
| ‡ acre..... | 571 | 574 | 260 | 329 | 391 | 500 | 354 | 846 | 395 | 575 | 490 | 470 | 416 | 502 | 672 |
| ‡-5 acres..... | 894 | 811 | 426 | 383 | 516 | 719 | 392 | 1,004 | 456 | 741 | 753 | 434 | 398 | 559 | 672 |
| 5-10 acres..... | 155 | 122 | 92 | 45 | 65 | 102 | 36 | 120 | 46 | 120 | 108 | 59 | 50 | 80 | 69 |
| 10-100 acres..... | 285 | 242 | 155 | 115 | 103 | 146 | 81 | 188 | 66 | 187 | 178 | 56 | 59 | 112 | 85 |
| 100-500 acres..... | 74 | 61 | 43 | 21 | 16 | 33 | 9 | 52 | 26 | 37 | 20 | 9 | 23 | 12 | 17 |
| 500-1,000 acres.. | 24 | 16 | 3 | 5 | 3 | 7 | 2 | 16 | 4 | 7 | 4 | 1 | 5 | 7 | 5 |
| 1,000-10,000 acres | 24 | 7 | 6 | 4 | 1 | 13 | 5 | 18 | 21 | 3 | 5 | ... | 5 | 14 | 1 |
| Over 10,000 acres | 9 | 1 | ... | 2 | ... | ... | 2 | 8 | 3 | 1 | ... | ... | ... | 19 | .. |
| AVERAGE SIZE (Acres) | 500 | 33 | 37 | 112 | 11 | 39 | 62 | 176 | 222 | 28 | 24 | 5 | 33 | 908 | 9 |

* Preliminary Report

FOREST PROTECTION PERMITS

| Year | WORK PERMITS | | | TRAVEL PERMITS | |
|------|--------------|---------|--------|----------------|---------|
| | Fire Permits | Permits | Men | Permits | Persons |
| 1926 | 13,466 | ..... | ..... | ..... | ..... |
| 1927 | 13,593 | ..... | ..... | 6,548 | 15,669 |
| 1928 | 13,611 | ..... | ..... | 15,406 | 42,566 |
| 1929 | 14,038 | ..... | ..... | 20,738 | 51,443 |
| 1930 | 15,094 | ..... | ..... | 36,799 | 91,457 |
| 1931 | 27,031 | 3,642 | 27,078 | 48,593 | 135,975 |
| 1932 | 23,187 | 3,626 | 23,186 | 46,753 | 132,783 |
| 1933 | 26,922 | 5,464 | 33,474 | 14,161 | 35,921 |
| 1934 | 20,962 | 6,029 | 56,405 | 12,178 | 30,162 |
| 1935 | 18,988 | ..... | ..... | 9,774 | 28,606 |
| 1936 | 18,964 | ..... | ..... | 8,447 | 26,564 |
| 1937 | 15,400 | 4,434 | 57,978 | 8,947 | 28,946 |
| 1938 | 15,035 | 4,106 | 44,882 | 12,216 | 38,952 |
| 1939 | 15,565 | 3,686 | 48,208 | 12,707 | 40,446 |
| 1940 | 14,522 | 2,684 | 46,727 | 10,162 | 33,350 |
| 1941 | 7,833 | 2,251 | 46,079 | 11,353 | 36,315 |
| 1942 | 8,542 | 1,826 | 40,194 | 8,358 | 24,725 |
| 1943 | 5,242 | 2,272 | 34,440 | 11,004 | 28,567 |
| 1944 | 5,106 | 2,173 | 34,927 | 13,510 | 41,569 |
| 1945 | 5,764 | 2,799 | 47,280 | 20,393 | 70,085 |
| 1946 | 8,940 | 3,496 | 67,346 | 35,794 | 112,191 |
| 1947 | 7,925 | 3,491 | 61,140 | 51,187 | 146,185 |
| 1948 | 9,237 | 3,030 | 51,736 | 61,384 | 194,617 |
| 1949 | 11,546 | 3,168 | 47,465 | 90,206 | 256,320 |
| 1950 | 9,357 | 3,753 | 57,581 | 86,975 | 323,870 |
| 1951 | 9,647 | 4,130 | 65,762 | 114,998 | 422,938 |
| 1952 | 11,764 | 3,971 | 55,882 | 124,193 | 455,979 |
| 1953 | 14,189 | 3,585 | 49,387 | 146,481 | 506,703 |
| 1954 | 12,315 | 3,496 | 67,346 | 113,971 | 408,018 |
| 1955 | 14,803 | 3,668 | 76,703 | 211,724 | 717,542 |
| 1956 | 14,142 | 3,930 | 62,469 | 181,396 | 608,138 |
| 1957 | 12,778 | 3,095 | 55,227 | 118,690 | 427,834 |
| 1958 | 15,842 | 2,922 | 44,362 | 121,373 | 412,468 |
| 1959 | 17,889 | 3,705 | 44,942 | 112,916 | 390,510 |
| 1960 | 18,616 | 4,024 | 45,837 | 94,634 | 332,471 |
| 1961 | 20,956 | 4,631 | 47,916 | 108,108 | 393,510 |

MAJOR EQUIPMENT March 31st

| | 1949 | 1950 | 1951 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 | 1962 |
|----------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Portable Power Pumps | 838 | 896 | 976 | 1,029 | 1,062 | 1,097 | 1,218 | 1,215 | 1,255 | 1,396 | 1,271 | 1,225 | 1,201 |
| Portable Hand Pumps. | 4,622 | 5,717 | 6,154 | 6,206 | 6,406 | 6,362 | 7,907 | 7,899 | 8,712 | 8,336 | 8,344 | 8,237 | 7,977 |
| Hose (000's Feet)... | 2,148 | 2,144 | 2,266 | 2,743 | 2,826 | 2,714 | 3,319 | 3,312 | 3,890 | 3,551 | 3,712 | 3,664 | 3,483 |
| Tents..... | 1,611 | 1,567 | 1,698 | 1,841 | 2,030 | 1,997 | 2,376 | 2,469 | 2,438 | 2,483 | 2,391 | 2,433 | 2,618 |
| Eiderdowns..... | .... | .... | .... | .... | .... | 1,365 | 1,506 | 1,538 | 1,597 | 1,671 | 1,739 | 1,750 | 1,780 |
| Blankets..... | 24,840 | 24,104 | 24,816 | 27,966 | 30,314 | 32,668 | 31,582 | 29,288 | 29,505 | 29,024 | 30,540 | 31,946 | 33,756 |
| Binoculars..... | 369 | 382 | 445 | 556 | 575 | 573 | 642 | 609 | 615 | 647 | 659 | 661 | 668 |
| Canoes..... | 1,051 | 1,003 | 1,084 | 1,142 | 1,061 | 1,114 | 1,087 | 1,073 | 1,052 | 1,005 | 954 | 930 | 922 |
| Boats (Outboard).... | .... | 231 | 278 | 373 | 379 | 418 | 434 | 459 | 493 | 519 | 534 | 538 | 568 |
| Motors (Outboard)... | 476 | 501 | 552 | 648 | 690 | 752 | 771 | 771 | 800 | 785 | 809 | 807 | 834 |
| Boats (Inboard)..... | 60 | 57 | 63 | 63 | 61 | 55 | 64 | 60 | 59 | 48 | 44 | 42 | 31 |
| Barges and Scows.... | .... | .... | .... | .... | .... | .... | .... | 4 | 6 | 7 | 6 | 9 | 6 |
| Trucks and Autos.... | 318 | 400 | 491 | 666 | 730 | 715 | 786 | 751 | 861 | 918 | 905 | 945 | 949 |
| Trailers..... | .... | .... | .... | .... | .... | 107 | 141 | 166 | 205 | 249 | 263 | 277 | 282 |
| Tractors..... | .... | .... | 50 | 73 | 93 | 101 | 121 | 134 | 312 | 186 | 184 | 194 | 198 |
| Railway Motor Cars.. | 46 | 44 | 44 | 50 | 49 | 45 | 47 | 46 | 44 | 44 | 42 | 41 | 42 |
| Velocipedes..... | 35 | .... | .... | .... | .... | .... | .... | 24 | 24 | 22 | 20 | 18 | 16 |
| Snowmobiles..... | .... | .... | .... | .... | .... | 7 | 8 | 10 | 14 | 10 | 13 | 14 | 16 |
| Radio Sets, Stations | 310 | 347 | 397 | 613 | 686 | 801 | 825 | 899 | 1,047 | 1,140 | 1,294 | 1,564 | 1,846 |
| Steel Towers..... | 227 | 231 | 271 | 279 | 279 | 280 | 288 | 292 | 302 | 308 | 315 | 318 | 323 |

REPORT OF MAJOR EQUIPMENT as of March 31, 1962.

| LOCATION | Portable Pumps | Fire Hose | Blank- ets | Tents | Sleep- ing Bags | Bin- ocu- lars | Ca- noes | Not Mtr. | Boats In- brd. | Out Mtr. | Mtr. Vehi- cles | Tr- ail- ers | Tr- act- ors | Rly Mtr. Cars | + V | + S | + B |
|--|-------------------|--------------|---------------|--------|-----------------------|----------------------|-------------|-------------|----------------------|-------------|-----------------------|--------------------|--------------------|---------------------|--------|--------|--------|
| DISTRICTS | | | | | | | | | | | | | | | | | |
| Avlmer..... | 12 | 129 | 30 | 125 | 6 | 22 | 4 | 17 | 5 | 15 | 46 | 20 | 12 | .. | .. | .. | .. |
| Chapleau..... | 18 | 192 | 2009 | 146 | 63 | 22 | 41 | 11 | .. | 25 | 28 | 8 | 5 | .. | .. | .. | .. |
| Cochrane..... | 60 | 422 | 2608 | 146 | 87 | 39 | 53 | 13 | .. | 45 | 35 | 11 | 6 | .. | .. | .. | .. |
| Fort Frances... | 60 | 422 | 1026 | 96 | 88 | 23 | 31 | 11 | .. | 37 | 22 | 6 | 6 | .. | .. | .. | .. |
| Geraldton..... | 76 | 521 | 241 | 204 | 79 | 31 | 61 | 31 | 1 | 44 | 41 | 7 | 6 | .. | .. | .. | .. |
| Gogama..... | 47 | 235 | 134 | 71 | 36 | 20 | 38 | 10 | 2 | 27 | 24 | 6 | 5 | .. | .. | .. | .. |
| Hespeler..... | 16 | 169 | 35 | 4 | 10 | 20 | 1 | 17 | .. | 13 | 43 | 23 | 13 | .. | .. | .. | .. |
| Kapuskasing... | 47 | 405 | 154 | 116 | 54 | 29 | 62 | 8 | .. | 39 | 34 | 11 | 7 | .. | .. | .. | .. |
| Kemptonville... | 14 | 131 | 32 | 5 | 9 | 13 | 1 | 26 | .. | 18 | 45 | 12 | 13 | .. | .. | .. | .. |
| Kenora..... | 65 | 282 | 940 | 116 | 45 | 26 | 47 | 30 | 6 | 34 | 22 | 7 | 8 | .. | .. | .. | .. |
| Lindsay..... | 49 | 366 | 116 | 42 | -41 | 32 | 29 | 39 | .. | 35 | 52 | 22 | 17 | .. | .. | .. | .. |
| Maple..... | 30 | 254 | 63 | 12 | 9 | 34 | 4 | 26 | 1 | 28 | 60 | 18 | 25 | .. | .. | .. | .. |
| North Bay..... | 54 | 270 | 128 | 124 | 115 | 36 | 73 | 38 | 1 | 56 | 46 | 7 | 6 | .. | .. | .. | .. |
| Parry Sound... | 45 | 347 | 133 | 58 | 87 | 33 | 37 | 44 | 2 | 47 | 55 | 13 | 4 | .. | .. | .. | .. |
| Pembroke..... | 41 | 295 | 117 | 123 | 120 | 18 | 75 | 45 | 1 | 50 | 44 | 10 | 9 | .. | .. | .. | .. |
| Port Arthur... | 53 | 320 | 185 | 126 | 90 | 32 | 43 | 23 | .. | 28 | 44 | 10 | 10 | .. | .. | .. | .. |
| Sault Ste. Marie | 69 | 418 | 308 | 183 | 79 | 31 | 46 | 14 | .. | 59 | 51 | 11 | 3 | .. | .. | .. | .. |
| Sioux Lookout... | 93 | 534 | 306 | 226 | 89 | 25 | 69 | 17 | 3 | 68 | 31 | 5 | 3 | .. | .. | .. | .. |
| Sudbury..... | 57 | 345 | 217 | 131 | 57 | 34 | 48 | 25 | .. | 44 | 48 | 10 | 7 | .. | .. | .. | .. |
| Swastika..... | 36 | 252 | 101 | 85 | 80 | 24 | 28 | 22 | .. | 23 | 31 | 18 | 8 | .. | .. | .. | .. |
| Tweed..... | 44 | 330 | 42 | 46 | 66 | 39 | 13 | 49 | 1 | 43 | 48 | 21 | 4 | .. | .. | .. | .. |
| White River.... | 48 | 318 | 149 | 127 | 60 | 23 | 66 | 14 | .. | 31 | 29 | 8 | 3 | .. | .. | .. | .. |
| REGIONS | | | | | | | | | | | | | | | | | |
| Central..... | 60 | 477 | 160 | 65 | 7 | .. | 1 | 1 | .. | 2 | 1 | .. | 1 | .. | .. | .. | .. |
| South-Central... | 29 | 36 | 42 | 43 | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Western..... | 8 | 7 | 10 | 82 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Mid-Western... | 29 | 209 | 180 | 122 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| South-Eastern... | .. | .. | .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| Northern..... | 35 | 476 | 57 | 52 | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| South-Western... | .. | .. | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | 3 | .. | .. | .. | .. |
| OTHERS | | | | | | | | | | | | | | | | | |
| Ranger School... | 11 | 39 | 14 | 6 | 1 | 4 | 19 | 4 | .. | 3 | 3 | 1 | 2 | .. | .. | .. | .. |
| Air Service..... | .. | .. | .. | .. | 118 | .. | 1 | 1 | .. | 4 | 11 | .. | 2 | .. | .. | .. | .. |
| Head Office..... | 15 | .. | 36 | 163 | 282 | 50 | 31 | 31 | 1 | 46 | 53 | .. | 4 | .. | .. | 2 | .. |
| (incl. Research) | | | | | | | | | | | | | | | | | |
| TOTAL..... | 1,201 | 7,977 | 3,483 | 33,756 | 2,618 | 668 | 922 | 568 | 31 | 834 | 949 | 282 | 198 | 42 | 16 | 16 | 6 |
| V - Velocipedes; S - Snow Vehicles; B - Barges and Scows | | | | | | | | | | | | | | | | | |

AIR SERVICE SUMMARY, Hours Flown in years ending March 31st

| Year | Fire Ranging | Timber Mngt. | F&W Mngt. | Lands | Parks | Re-search | Sur-veys | Photo | Inter-departmental | Mercy Flights Hrs. | Total Flying Hours | Passengers Carried | Per-sonnel Carried | Effective Load (tons) |
|-------|--------------|--------------|-----------|-------|-------|-----------|----------|-------|--------------------|--------------------|--------------------|--------------------|--------------------|-----------------------|
| 1924- | | | | | | | | | | | | | | |
| 1949 | 88,732 | ... | 2,985 | ... | ... | 1,442 | ... | 1,415 | ... | 361 | 175,290 | 165,583 | 89,206 | 22,234 |
| 1950 | 6,926 | 604 | 1,644 | 110 | ... | ... | ... | ... | 279 | ... | 13,531 | 30,687 | 5,918 | 3,432 |
| 1951 | 4,211 | 938 | 2,029 | 283 | ... | 303 | ... | ... | 233 | 64 | 11,057 | 27,140 | 5,140 | 3,367 |
| 1952 | 5,498 | 903 | 2,086 | 153 | ... | 360 | ... | 273 | 188 | 168 | 12,800 | 30,439 | 5,410 | 3,164 |
| 1953 | 5,278 | 674 | 1,980 | 149 | ... | 266 | 97 | 280 | 150 | 56 | 11,889 | 25,900 | 5,346 | 3,079 |
| 1954 | 6,302 | 982 | 1,972 | 376 | ... | 386 | 124 | 187 | 574 | 53 | 13,564 | 31,109 | 7,245 | 3,913 |
| 1955 | 5,095 | 1,048 | 2,362 | 246 | ... | 284 | 181 | 244 | 398 | 35 | 12,389 | 29,256 | 5,465 | 3,429 |
| 1956 | 11,396 | 835 | 2,333 | 181 | ... | 192 | 128 | 130 | 458 | 55 | 17,785 | 46,478 | 6,723 | 6,091 |
| 1957 | 5,347 | 986 | 2,289 | 180 | ... | 199 | 72 | 148 | 384 | 34 | 11,692 | 28,789 | 5,099 | 3,481 |
| 1958 | 5,652 | 801 | 2,837 | 190 | 311 | 212 | 23 | 24 | 327 | 44 | 12,506 | 28,636 | 5,349 | 3,497 |
| 1959 | 4,275 | 876 | 3,615 | 200 | 272 | 189 | 15 | ... | 421 | 39 | 12,278 | 27,506 | 5,197 | 4,871 |
| 1960 | 4,053 | 883 | 3,569 | 209 | 345 | 228 | 11 | ... | 475 | 42 | 11,984 | 27,600 | 4,926 | 4,198 |
| 1961 | 4,914 | 965 | 3,455 | 267 | 255 | 200 | 4 | ... | 470 | 72 | 12,569 | 29,069 | 4,833 | 4,638 |
| 1962 | 7,130 | 799 | 3,628 | 260 | 266 | 170 | ... | ... | 370 | 33 | 14,486 | 32,749 | 5,221 | 8,121 |
| TOTAL | 164,808 | 11,295 | 36,785 | 2,804 | 1,449 | 4,431 | 654 | 2,701 | 4,726 | 1,055 | 343,819 | 560,941 | 161,078 | 83,571 |

PILOTS' FLYING TIME

| SURNAME | Initials | 1924-61 | 1961-62 | Total |
|--------------|----------|------------|-----------|------------|
| Allen..... | DW | 2,434:15 | 330:10 | 2,764:25 |
| Ballantyne.. | DE | 1,543:40 | 378:15 | 1,921:55 |
| Beaushene... | GD | 3,044:35 | 402:20 | 3,446:55 |
| Bieck..... | AH | 1,113:30 | 481:40 | 1,595:10 |
| Burt..... | AE | 7,691:40 | 515:45 | 8,207:25 |
| Calver..... | DR | 2,894:45 | 362:40 | 3,257:25 |
| Campbell.... | GE | 4,334:15 | 453:20 | 4,787:35 |
| Colfer..... | AP | 5,875:55 | 820:55 | 6,696:50 |
| Cooke..... | TC | 6,329:05 | 753:25 | 7,082:30 |
| Cram..... | WW | 912:25 | 317:15 | 1,229:40 |
| Croft..... | BR | 1,118:25 | 382:15 | 1,500:40 |
| Croal..... | DM | 1,002:45 | 631:25 | 1,634:10 |
| Denley..... | JG | 7,165:25 | 401:30 | 7,566:55 |
| Evans..... | FB | 4,082:25 | 376:30 | 4,458:55 |
| Fiskar..... | UW | 3,485:40 | 385:30 | 3,871:10 |
| Glennie..... | NA | 2,170:10 | 454:35 | 2,624:45 |
| Hoar..... | HA | 2,795:20 | 250:15 | 3,045:35 |
| Hoeberg..... | PS | 2,825:25 | 293:50 | 3,119:15 |
| Hugill..... | WA | 2,195:05 | 309:20 | 2,504:25 |
| Kincaid..... | J | 7,082:10 | 574:35 | 7,656:45 |
| Kirk..... | CJ | 4,454:45 | 347:50 | 4,802:35 |
| Lamont..... | JA | 3,404:00 | 275:40 | 3,679:40 |
| LeFeuvre.... | CJ | 8,658:30 | 379:20 | 9,037:50 |
| Love..... | MS | | 165:20 | 165:20 |
| Lowe..... | B | 1,279:25 | 315:30 | 1,594:55 |
| MacDougall.. | FA | 5,071:45 | 119:20 | 5,191:05 |
| North..... | DH | 893:00 | 357:20 | 1,250:20 |
| Parsons..... | R | 7,206:20 | 343:20 | 7,549:40 |
| Poulin..... | LD | 7,764:50 | 217:00 | 7,981:50 |
| Reid..... | DM | 4,184:15 | 406:45 | 4,591:00 |
| Siegel..... | J | 4,817:20 | 444:55 | 5,262:15 |
| Speight..... | HC | 7,202:55 | 655:25 | 7,858:20 |
| Smith..... | AB | 7,050:55 | 9:10 | 7,060:05 |
| Thomas..... | E | 3,357:10 | 191:35 | 3,548:45 |
| Thompson.... | FJ | 2,398:55 | 296:15 | 2,695:10 |
| Trussler.... | GE | 7,261:45 | 364:05 | 7,625:50 |
| Turcotte.... | LG | 960:45 | 342:05 | 1,302:50 |
| Taylor..... | JM | 3,462:00 | 92:20 | 3,554:20 |
| Pike..... | SJ | | 287:00 | 287:00 |
| Other Pilots | | 179,807:50 | | 179,807:50 |
| Total Hours | | 329,333:20 | 14,485:45 | 343,819:05 |

AIRCRAFT SERVICE RECORD

| 45 AIRCRAFT | Year Purchased | Effective Load(tons) 1960-61 | FLYING HOURS 1961-62 1924-62 | |
|--------------------|-------------------|------------------------------------|------------------------------------|------------|
| 35 BEAVER | | | | |
| CF-OBS | 1948 | 156 | 547:45 | 5,239:55 |
| CF-OBW | 1948 | ... | 140 | 3,527:20 |
| CF-OBX | 1948 | ... | 140 | 4,086:10 |
| CF-OBY | 1948 | 29 | 96:25 | 3,733:10 |
| CF-OBZ | 1948 | 109 | 234:25 | 4,319:45 |
| CF-OCA | 1948 | 152 | 371:45 | 4,006:25 |
| CF-OCB | 1948 | 356 | 503:55 | 4,753:35 |
| CF-OCC | 1948 | 119 | 338:35 | 4,079:15 |
| CF- OCD | 1948 | 50 | 222:05 | 3,690:10 |
| CF-OCE | 1949 | 97 | 273:05 | 4,576:50 |
| CF-OCG | 1949 | 69 | 267:00 | 3,628:00 |
| CF-OCH | 1949 | 140 | 450:05 | 4,112:30 |
| CF-OCJ | 1949 | 65 | 205:50 | 3,427:20 |
| CF-OCK | 1949 | 101 | 287:25 | 4,006:25 |
| CF-OCL | 1949 | 95 | 246:10 | 3,830:40 |
| CF-OCN | 1949 | 147 | 373:05 | 4,406:50 |
| CF-OCO | 1949 | 201 | 290:05 | 4,156:30 |
| CF-OCP | 1949 | 223 | 714:45 | 4,738:50 |
| CF-OCQ | 1949 | 17 | 441:40 | 4,637:55 |
| CF-OCS | 1949 | 111 | 112:55 | 4,124:00 |
| CF-OCT | 1949 | 141 | 473:55 | 4,283:40 |
| CF-OCU | 1950 | 155 | 375:50 | 4,009:40 |
| CF-OCV | 1950 | 161 | 545:30 | 3,391:35 |
| CF-OCX | 1950 | 172 | 386:05 | 3,601:55 |
| CF-OCY | 1950 | 92 | 375:35 | 3,413:50 |
| CF-OCZ | 1950 | 27 | 311:45 | 2,675:20 |
| CF-ODA | 1951 | 86 | 386:30 | 3,317:00 |
| CF-ODB | 1951 | 46 | 291:35 | 3,839:40 |
| CF-ODC | 1951 | 48 | 440:25 | 4,724:55 |
| CF-ODD | 1951 | 57 | 208:35 | 1,046:50 |
| CF-ODE | 1951 | 57 | 427:25 | 2,975:35 |
| CF-ODF | 1952 | 157 | 185:35 | 3,375:20 |
| CF-ODG | 1952 | 12 | 525:55 | 3,804:45 |
| CF-ODO | 1955 | 66 | 123:35 | 728:50 |
| CF-ODS | 1956 | | 232:40 | 556:15 |
| 9 OTTER | | | | |
| CF-ODJ | 1953 | 530 | 481:20 | 2,602:20 |
| CF-ODK | 1953 | 478 | 258:00 | 2,407:30 |
| CF-ODL | 1953 | 886 | 298:05 | 2,490:50 |
| CF-ODP | 1956 | 343 | 349:10 | 1,566:25 |
| CF-ODQ | 1956 | 186 | 305:20 | 1,902:25 |
| CF-ODU | 1960 | 646 | 294:00 | 517:45 |
| CF-ODV | 1961 | 993 | 610:30 | 610:30 |
| CF-ODW | 1961 | 108 | 157:05 | 157:05 |
| CF-ODT | 1957 | 316 | 104:30 | 1,919:50 |
| WIDGEON | | | | |
| CF-ODR | 1956 | 21 | 258:30 | 1,341:10 |
| All Other Aircraft | | | | 198,534:25 |
| TOTAL | | 8,121 | 14,485:45 | 342,878:00 |

AIR SERVICE BASE OPENING DATES (or First Float Flying)

| BASE | 1933 | 1934 | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | 1941 | 1942 | 1943 |
|-------------------|----------|----------|--------|---------|----------|----------|----------|--------|----------|----------|--------|
| Algonquin Park... | 29 April | 4 May | 1 May | 4 May | 3 May | 6 May | 7 May | 5 May | 21 April | 26 April | 8 May |
| Caribou Lake..... | 27 May | 25 May | 21 May | 24 May | 17 May | 24 May | 15 May | 19 May | 10 May | 5 May | 5 June |
| Biscotasing..... | 15 May | 14 May | 14 May | 14 May | 8 May | 2 May | 12 May | 7 May | 2 May | 27 April | 17 May |
| Fort Frances..... | ..... | 15 May | 3 May | 19 May | 13 May | 11 May | 11 May | 15 May | 2 May | 29 April | 12 May |
| Goose Island..... | 16 May | 20 May | 17 May | 19 May | 25 May | ..... | ..... | ..... | ..... | ..... | ..... |
| Ignace..... | 3 July | 16 May | 15 May | 19 May | 17 May | 14 May | 12 May | 18 May | 1 May | 29 April | 18 May |
| Kenora..... | 10 May | 11 May | 10 May | 18 May | 15 May | 12 May | 9 May | 15 May | 30 April | 29 April | 12 May |
| Oba Lake..... | 16 May | 19 May | 20 May | 24 May | 7 May | 9 May | 16 May | 22 May | 13 May | 1 May | 18 May |
| Orient Bay..... | 10 June | 26 May | 23 May | 24 May | 10 May | 14 May | 19 May | 28 May | 12 May | 8 July | 28 May |
| Pays Plat..... | ..... | ..... | ..... | ..... | ..... | ..... | 14 May | 9 May | 1 May | 4 May | 11 May |
| Pickle Lake..... | ..... | ..... | ..... | 28 May | 27 May | 18 May | 29 May | 24 May | 14 May | ..... | ..... |
| Port Arthur..... | 6 May | 12 May | 3 May | 15 May | 27 April | 14 May | 12 May | 9 May | 1 May | 29 April | 11 May |
| Red Lake..... | ..... | ..... | ..... | ..... | ..... | 16 May | 13 May | 23 May | 10 May | 4 May | 22 May |
| Remi Lake..... | ..... | 25 May | 23 May | 1 June | 14 May | 16 May | 22 May | 29 May | 17 May | 5 May | 21 May |
| Sault Ste. Marie. | 21 April | 24 April | 2 May | 1 April | ..... | 21 April | 28 April | 2 May | ..... | 24 April | 10 May |
| Sioux Lookout.... | 10 May | 16 May | 16 May | 18 May | 13 May | 5 May | 11 May | 18 May | 1 May | 29 April | 17 May |
| Sudbury..... | 3 May | 8 May | 2 May | 8 May | 4 May | 30 April | 5 May | 4 May | 30 April | 29 April | 7 May |
| Tenagami..... | ..... | ..... | ..... | ..... | ..... | 3 May | 13 May | 7 May | 3 May | 29 April | 18 May |
| Twin Lakes..... | 14 May | 26 May | 21 May | 1 June | 18 May | 16 May | 18 May | 23 May | 12 May | 5 May | 19 May |
| Whitefish Lake... | 15 May | 19 May | 16 May | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |

TORONTO: Year Round.

AIR SERVICE BASE OPENING DATES (or First Float Flying) (Continued)

| BASE | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 |
|-------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Algonquin Park... | 3 May | 26 April | 30 April | 8 May | 19 April | 2 April | 17 May | 29 April | 24 April | 21 April | 29 April |
| Carey Lake..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 10 May | 15 May | 18 May |
| Caribou Lake.... | 19 May | 12 May | 23 May | 3 June | 19 May | 9 May | 1 June | 21 May | 7 May | 14 May | 27 May |
| Chapleau..... | ..... | ..... | ..... | ..... | 8 May | 10 May | 16 May | 30 April | 8 May | 8 May | 4 May |
| Biscotasing..... | 7 May | 26 April | 22 April | 17 May | 28 April | 7 May | 20 May | ..... | ..... | ..... | ..... |
| Eva Lake..... | ..... | ..... | 27 April | 16 May | 8 May | 1 May | 20 May | 10 May | 30 April | 29 April | 17 May |
| Fort Frances.... | 15 May | 27 April | 7 May | 20 May | 11 May | 30 April | 24 May | 7 May | 1 May | 4 May | 13 May |
| Geraldton..... | 14 May | ..... | ..... | ..... | 14 May | 4 May | 20 May | 9 May | 5 May | 7 May | 18 May |
| Gogama..... | ..... | ..... | ..... | 14 May | 27 April | 30 April | 8 May | 24 April | 23 April | 29 April | 3 May |
| Ignace..... | 19 May | 12 May | 1 May | 20 May | 10 May | 3 May | 22 May | 9 May | 1 May | 5 May | 18 May |
| Kenogmi..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 10 May | 2 May | 7 May | 9 May |
| Kenora..... | 20 May | 10 May | 14 May | 20 May | 8 May | 3 May | 22 May | 10 May | 1 May | 7 May | 18 May |
| Launton Lake.... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Oba Lake..... | 17 May | 5 May | 7 May | 27 May | 5 May | 10 May | 8 May | 8 May | 8 May | 18 April | 28 April |
| Orient Bay..... | 23 May | 23 May | 7 May | 12 June | 18 May | 12 May | 23 May | 16 May | 7 May | 10 May | 15 May |
| Parry Sound..... | ..... | ..... | ..... | 6 May | 12 May | 13 April | 27 April | 17 April | 23 April | 30 Mar. | 20 April |
| Pays Plat..... | 5 May | 9 May | 30 April | 14 May | 8 May | 7 May | 18 May | 8 May | 2 May | 6 May | 11 May |
| Pickle Lake..... | ..... | ..... | 26 May | 2 June | 18 May | 9 May | 3 June | 17 May | 7 May | 13 May | 2 June |
| Port Arthur..... | 16 May | 2 May | 30 April | 16 May | 18 May | 30 April | 19 May | 2 May | 22 April | 30 April | 7 May |
| Red Lake..... | 19 May | 10 May | 7 May | 26 May | 13 May | 3 May | 29 May | 15 May | 3 May | 8 May | 21 May |
| Remi Lake..... | 17 May | 3 May | 15 May | 2 June | 10 May | 4 May | 23 May | 3 May | 2 May | 13 May | 19 May |
| Sault Ste. Marie | 27 April | 10 April | 11 April | 30 April | 14 April | 7 April | 6 April | 9 April | 7 April | 27 Mar. | 13 April |
| Sioux Lookout... | 15 May | 10 May | 3 May | 20 May | 12 May | 1 May | 27 May | 12 May | 3 May | 7 May | 20 May |
| South Porcupine. | ..... | ..... | 3 May | 27 May | 1 May | 3 May | 19 May | 30 April | 1 May | 5 May | 20 May |
| Sudbury..... | 8 May | 1 May | 13 April | 14 May | 27 April | 25 April | 12 April | 25 April | 28 April | 20 April | 29 April |
| Temagami..... | 8 May | 20 April | 23 April | 17 May | 27 April | 20 April | 15 May | 1 May | 1 May | 28 April | 4 May |
| Twin Lakes..... | 18 May | 12 May | 22 May | 8 June | 14 May | 12 May | 30 May | 1 May | 16 May | 13 May | 22 May |
| White River..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 11 May | 18 May |

AIR SERVICE BASE OPENING DATES (or First Float Flying) (Continued)

| BASE | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 | 1962 |
|-------------------|----------|----------|-------------------------------|----------|----------|----------|----------|----------|
| Algonquin Park.. | 21 April | 11 May | 25 April | 23 April | 5 May | 2 May | 4 May | 3 May |
| Carey Lake..... | 30 April | 27 May | 7 May | 9 May | 12 May | 23 May | 10 May | 13 May |
| Caribou Lake..... | 1 May | 1 June | 13 May | 15 May | 15 May | 22 May | 24 May | 25 May |
| Chapleau..... | 22 April | 14 May | 3 May | 24 April | 4 May | 11 May | 4 April | 7 May |
| Eva Lake..... | 28 April | 16 May | 6 May (Moved to Nym Lake) | | | | | |
| Fort Frances.... | 27 April | 16 May | 29 April | 18 April | 28 April | 4 May | 1 May | 1 May |
| Geraldton..... | 27 April | 17 May | 7 May | 5 May | 10 May | 18 May | 11 May | 16 May |
| Gogama..... | 22 April | 14 May | 1 May | 28 April | 6 May | 5 May | 10 May | 7 May |
| Ignace..... | 28 April | 16 May | 6 May | 2 May | 8 May | 12 May | 11 May | 11 May |
| Kenogami..... | 26 April | 22 May | 10 May | 4 May | 12 May | 18 May | 13 May | 10 May |
| Kenora..... | 27 April | 17 May | 6 May | 15 April | 30 April | 12 May | 11 May | 9 May |
| Launton Lake..... | 19 April | 7 May | 29 April | 17 April | 20 April | 2 May | 26 April | 26 April |
| Nym Lake..... | | | | 2 May | 8 May | 12 May | 12 May | 16 May |
| Oba Lake..... | 28 April | 16 May | 9 May | 4 May | 11 May | 23 May | 11 May | 15 May |
| Orient Bay..... | 1 May | 1 June | 13 May (Moved to Port Arthur) | | | | | |
| Parry Sound..... | 18 April | 3 May | 28 April | 21 April | 27 April | 27 April | 26 May | 25 April |
| Pays Plat..... | 4 May | 15 May | 6 May | 2 May | 8 May | 12 May | 10 May | 11 May |
| Pickle Lake..... | 6 May | 1 June | 13 May | 16 May | 15 May | 20 May | 19 May | 16 May |
| Port Arthur..... | 22 April | 30 April | 29 April | 30 April | 24 April | 13 May | 29 April | 2 May |
| Red Lake..... | 28 April | 19 May | 9 May | 2 May | 14 May | 16 May | 19 May | 15 May |
| Remi Lake..... | 29 April | 21 May | 6 May | 7 May | 12 May | 19 May | 11 May | 15 May |
| Sault Ste. Marie | 19 April | 3 May | 29 April | 26 March | 8 April | 11 April | 4 April | 2 April |
| Sioux Lookout... | 27 April | 19 May | 10 May | 1 May | 14 May | 16 May | 16 May | 8 May |
| South Porcupine. | 27 April | 15 May | 6 May | 2 May | 8 May | 16 May | 11 May | 9 May |
| Sudbury..... | 19 April | 9 May | 1 May | 18 April | 1 May | 4 May | 10 May | 27 April |
| Temagami..... | 26 April | 17 May | 3 May | 2 May | 8 May | 11 May | 17 May | 9 May |
| Tweed..... | | | 28 April | 18 April | 27 April | 28 April | 25 April | 25 April |
| Twin Lakes..... | 6 May | 17 June | 10 May | 13 May | 15 May | 25 May | 21 May | 22 May |
| White River..... | 29 April | 21 May | 10 May | 2 May | 12 May | 20 May | 12 May | 15 May |

DEPARTMENT RADIO STATIONS

| DISTRICT | STATION | CALL SIGN | NORMAL OPERATING FREQUENCIES | |
|---------------------|---------------------------|--------------|---------------------------------|----------------|
| | | | H.F. Kc/s | V.H.F. Mc/s |
| FORT FRANCES | Fort Frances | XLN21 | 4460 | 46.62 |
| | Lac La Croix | XLN22 | " | " |
| | Atikokan | XLQ71 | " | " |
| | Rainy River | XLR59 | " | " |
| | French Lake | XMN23 | " | " |
| | Nym Lake | XLN234 | " | " |
| | Cache Bay | XLN233 | " | " |
| | Prairie Portage | XLN232 | " | " |
| | Cabin 16 | XLN29 | " | " |
| | Beaverhouse Lake Cabin | XLN275 | " | " |
| KENORA | Kenora | XLN34 | 4460 | 46.78 |
| | Minaki | XLN32 | " | " |
| | Sioux Narrows | XLN42 | " | " |
| | Dryden | XLN35 | " | " |
| | Nestor Falls | XLN24 | " | " |
| | Vermillion Bay | XLS87 | " | " |
| | Dymont | XL096 | " | " |
| SIOUX LOOKOUT | Sioux Lookout | XLN37 | 4460 | 46.86 |
| | Red Lake | XLN43 | " | " |
| | Pickle Lake | XLN38 | " | " |
| | Armstrong | XLN40 | " | " |
| | Ear Falls | XMN50 | " | " |
| | Winisk | XLR62 | " | " |
| | Ignace | XLN23 | " | " |
| PORT ARTHUR | Port Arthur | XLN45 | 4580 | 46.70 |
| | Shebandowan | XLN47 | " | " |
| | Black Sturgeon Lake | XLN48 | " | " |
| | Upsala | XLN217 | " | " |
| | Saganaga Lake | XLN218 | " | " |
| | Dorion | XMN78 | " | " |
| GERALDTON | Geraldton | XLQ35 | 4580 | 46.78 |
| | Pays Plat | XLN56 | " | " |
| | Marathon | XLN54 | " | " |
| | Killala Lake | XLN55 | " | " |
| | Hillsport | XLQ46 | " | " |
| | Nakina | XLS53 | " | " |
| | Longlac | XLS52 | " | " |
| | Macdiarmid | XLN49 | " | " |
| WHITE RIVER | White River | XLQ78 | 4880 | 46.62 |
| | Franz | XLN62 | " | " |
| | Wawa | XLN63 | " | " |
| | Mobert | XLN61 | " | " |
| | Manitouwadge Lake | XMN25 | " | " |
| SAULT STE. MARIE | Sault Ste. Marie | XLN58 | 4880 | 46.78 |
| | Blind River | XLN65 | " | " |
| | Ranger Lake | XLN261 | " | " |
| | Elliot Lake | XLN264 | " | " |
| | Peshu Lake | XLQ41 | " | " |
| | Sand Lake | XLQ77 | " | " |
| | Pancake Bay | XLR39 | " | " |
| | Kirkwood | XLP44 | " | " |
| | Mount Lake | XLR69 | " | " |
| | Camp 4 | XLR70 | " | " |

| | | | | |
|--------------|---------------------|--------|-------|-------|
| GOGAMA | Gogama | XLN78 | 4880 | 46.82 |
| | Elsas | XLN79 | " | " |
| | Foleyet | XLN84 | " | " |
| | Opishing Lake | XMN42 | " | " |
| | Ronda | XLP69 | " | " |
| CHAPLEAU | Chapleau | XLN82 | 4880 | 46.70 |
| | Missanable | XLR52 | " | " |
| | Sultan | XLQ73 | " | " |
| | Biscotasing | XLN80 | " | " |
| | Unegam Lake | XLN205 | " | " |
| | Racine Lake | XMN77 | " | " |
| | Wrong Lake | XLP46 | " | " |
| SUDBURY | Sudbury | XLN77 | 4880 | 46.86 |
| | Skead | XLQ80 | " | " |
| | Espanola | XLQ44 | " | " |
| | Jamot | XLR30 | " | " |
| | Massey | XLR29 | " | " |
| | Windy Lake | XLR67 | " | " |
| | Southbaymouth | XLS86 | " | " |
| | Sandfield | XLR68 | " | " |
| | Stinson | XLN239 | " | " |
| | Fairbank Lake | XLN39 | " | " |
| | Killarney | XLS85 | " | " |
| | Little Current | XMN24 | " | " |
| KAPUS-KASING | Kapuskasing | XLP78 | 4535 | 46.86 |
| | Hearst | XLN69 | " | " |
| | Hornepayne | XLN73 | " | " |
| | Oba | XLN74 | " | " |
| | Nagogamisis Lake | XLN237 | " | " |
| | Little Long Rapids | XLN240 | " | " |
| COCHRANE | Rogers Township | XLR71 | " | " |
| | Cochrane | XLQ37 | 4535 | 46.78 |
| | Timmins | XLN70 | " | " |
| | Eades | XLN71 | " | " |
| | Wade Lake | XLQ45 | " | " |
| | Moosonee | XMN43 | " | " |
| | Smooth Rock Falls | XLQ76 | " | " |
| | Nellie Lake | XLN208 | " | " |
| | Kettles Park Lake | XLN209 | " | " |
| SWASTIKA | Swastika | XLN68 | 4535 | 46.62 |
| | Elk Lake | XLN72 | " | " |
| | Matheson | XLS54 | " | " |
| | Larder Lake | XLN95 | " | " |
| | Matachewan | XLN60 | " | " |
| | Gowganda | XLQ90 | " | " |
| | Hills Lake | XLQ89 | " | " |
| | Englehart | XLR64 | " | " |
| | Burt Twp. Nursery | XLN212 | " | " |
| NORTH BAY | North Bay | XLN83 | 4520 | 46.78 |
| | Temagami | XLN81 | " | " |
| | Lady Evelyn Lake | XLN42 | " | " |
| | Latchford | XLN252 | " | " |
| | McConnell Lake | XLN246 | " | " |
| | Bear Island | XLN251 | " | " |
| | Haddo | XLP45 | " | " |
| | Devils Lake | XLN253 | " | " |
| | Field | XLN247 | " | " |
| | Samuel de Champlain | XLN270 | " | " |
| PEMBROKE | Marten River | XLN274 | " | " |
| | Pembroke | XLN92 | 45.75 | 46.86 |
| | Smoke Lake | XLN90 | " | " |
| | Brent | XLN91 | " | " |

| | | | | |
|----------------------------|--------------------|--------|-------|-------|
| PEMBROKE (Cont'd) | Stonecliffe | XLN94 | 47.75 | 46.86 |
| | Whitney | XLQ43 | " | " |
| | Achray | XLQ47 | " | " |
| | Round Lake | XLR40 | " | " |
| | Kiosk | ..... | " | " |
| | Sasajewun Lake | ..... | " | " |
| | Swan Lake | ..... | " | " |
| PARRY SOUND | Parry Sound | XLN89 | 4520 | 46.62 |
| | Loring | XLN93 | " | " |
| | Powassan | XMN35 | " | " |
| | Byng Inlet | XLS24 | " | " |
| | Ardbeg | XMN33 | " | " |
| | Dorset | XMN34 | " | " |
| | Bracebridge | XMN75 | " | " |
| TWEED | Tweed | XLQ69 | 4775 | 46.70 |
| | Bancroft | XLQ50 | " | " |
| | Palmer Rapids | XLR41 | " | " |
| | Dacre | XLS23 | " | " |
| | Plevna | XLN53 | " | " |
| | Gilmour | XMN40 | " | " |
| | White Lake | XLP75 | " | " |
| | Napanee | XLQ31 | " | " |
| | Green Lake | XLR61 | " | " |
| LINDSAY | Lindsay | XLR57 | 4775 | 46.78 |
| | Minden | XLQ70 | " | " |
| | Gooderham | XMN27 | " | " |
| | Orono | XMN29 | " | " |
| | Haliburton | XLR43 | " | " |
| | Presqu'ille Park | XLN46 | " | " |
| | Apsley | XMN44 | " | " |
| | Ranger School | XLN25 | " | " |
| KEMPTVILLE | Kemptville | XMN41 | 4775 | 46.62 |
| | La Rose | XMN51 | " | " |
| | Westport | ..... | " | " |
| | Fitzroy Park | XLN272 | " | " |
| LAKE ERIE | Aylmer | XL052 | 4775 | |
| | Holiday Beach Park | XLN267 | " | |
| | Wheatley | XLN268 | " | |
| | St. Williams | XMN28 | " | |
| | Rondeau Park | XLR60 | " | |
| | Pinery Park | XLP90 | " | |
| LAKE SIMCOE | Coldwater | XMN36 | | 46.82 |
| | Severn Falls | XMN37 | | " |
| | Honey Harbour | XMN39 | | " |
| | Six Mile Lake | XLR85 | | " |
| | Angus | XLN269 | | " |
| | | | | |
| HEAD OFFICE* Toronto | Island Airport | XL053 | 4775 | |
| | Maple Laboratory | XLN20 | " | |
| | Maple | XLP22 | 4520 | 46.62 |
| | | | 4535 | 46.70 |
| | | | 4775 | 46.74 |
| | | | 4880 | 46.78 |
| | | | 5410 | 46.82 |
| | | | 5499 | 46.86 |
| | | | 9160 | |

* Maple frequently uses 5410 and 9160 Kc/s. to reach District Office stations; answers aircraft on their own frequency.

NEW POLICIES

CORRECTIONS

[illegible]

LANDS AND SURVEYS BRANCH

SURVEYOR-GENERALS OR DIRECTORS OF SURVEYS

Samuel Holland

Northern District of

North America 1764-1801 Surveyor-General

Sir D. W. Smith 1801-1805 Surveyor-General

C. B. Wyatt 1806- Surveyor-General

Thomas Ridout 1807-1829 Surveyor-General

Hon. S. P. Hurd 1832-1835 Surveyor-General

J. Macaulay 1836-1838 Surveyor-General

Hon. R. B. Sullivan 1838-1840 Surveyor-General

Thos. Parke 1841-1845 Surveyor-General

* G. B. Kirkpatrick 1880-1917 Director of Surveys

* L. V. Rorke 1918-1928 Director of Surveys

† L. V. Rorke 1928-1936 Deputy Minister/
Surveyor-General

‡ C. H. Fullerton 1936-1946 Surveyor-General

F. W. Beatty 1946-1962 Surveyor-General

Robert G. Code 1962- Surveyor-General

* Office of Surveyor-General abolished 17th March, 1845, by Provincial Statute 8 Vic., Chapter XI, Sec. 1, which consolidated the Department and office under the Commissioner of Crown Lands.

† Office of Surveyor-General re-established by Provincial Statute 18 Geo. V., Chap. 9, 1928, as Deputy Minister to be known as Surveyor-General, under Public Lands Act.

‡ Act of 1928 amended in 1942 by Statute Law Amendment Act and office of Surveyor-General re-established, under Public Lands Act.

Lands and Surveys were established as separate Divisions in the re-organization of the Department in 1941. Surveys was re-formed as Surveys and Engineering in 1944. The two were united in 1957 as Division of Surveys with two Branches, Lands and Surveys. In 1959, the Branches became Sections in Lands and Surveys Branch. Land Use Planning and Engineering Sections were added in 1962.

Robert G. Code was appointed Surveyor-General on June 8th, 1962.

LANDS AND SURVEYS BRANCH

Chief: R. G. CODE

LANDS SECTION

Supervisor: J. W. Giles

Disposition of public land and land under water for many private, commercial, industrial and municipal uses.

Authorization of assignments; extensions of time; issuance of patent; quit claim deeds; vesting orders; reservation of lands for various uses.

SURVEYS SECTION

Supervisor: W. F. Weaver

Surveys of provincial boundaries, base and meridian lines, Crown lands and lands acquired for Department. Retracement surveys.

Map compilation. Accounts payable and equipment.

Distribution of maps, survey records and publications.

LAND USE PLANNING SECTION

Supervisor: E. L. Ward

Preparation of land use plan for public lands. Wilderness areas.

Advisory committees on recreational land use planning. Public agricultural lands committee.

ENGINEERING SECTION

Inspection of dams. Licence of Occupation for dams, flooding, diversions. Water resource management. Issuance and servicing of Water Power Lease Agreements.

Plans for buildings and hatcheries. Renovation of plant and equipment.

Access roads.

Studies for wildlife management.

SURVEYS SECTION

By Order-in-Council dated November 18th, 1791, Quebec was divided into the Provinces of Lower Canada and Upper Canada. The latter included all territory to the west and south of a described line (which is the present eastern boundary of Ontario) to the utmost extent of the country called Canada. Townships were surveyed as described in the following periods:-

| | | |
|-----------|---|--|
| 1783-1818 | - | single front |
| 1787-1813 | - | front and rear |
| 1818-1829 | - | double front |
| 1829-1851 | - | 2,400-acre block |
| 1835-1906 | - | 1,000-acre block |
| 1859 | - | Townships 6 miles square - no road allowances - Townships divided into 36 sections. |
| 1872 | - | Townships 6 miles square - no road allowances - 6 concessions and 12 lots. |
| 1876 | - | Townships - similar manner to Dominion Land Survey system - 36 sections with 1-1/2 chain road allowances around each section. |
| 1906 | - | 1,800-acre blocks. |

Since the first township was surveyed in 1783, more than 1,100 townships have been surveyed and divided into lots and concessions. In addition, the boundaries of 1,300 unsubdivided townships have been surveyed.

To avoid extensive retracement surveys and to reduce the cost of surveys in subdivided townships, 143 township subdivision surveys have been annulled, as of October 31st, 1962, under the provisions of Section 10 (1) of the Public Lands Act; the first annulment was in 1947. These townships are now treated as unsubdivided.

Township subdivision surveys are annulled where there is little or no agricultural or mining development; where the land belongs wholly or mainly to the Crown; where original survey lines and corners are largely obliterated; or when the original survey was made many years ago.

The eastern boundary of Ontario was surveyed from Lake Timiskaming north to mile 42 in 1874; to mile 88 in 1905; to mile 140 in 1906; to mile 208 in 1907 and to James Bay in 1931.

SURVEYS SECTION (Continued)

The western boundary was surveyed from the Lake of the Woods to the Winnipeg River - 1897-98; to the 12th Base Line, D. L. S. System, 1921-22; to the most easterly point of Island Lake - 1929-30; to the Echoing River in 1937 and to Hudson Bay, 1947-48. Erection of permanent monuments, chaining, etc., from Island Lake to Hudson Bay was carried out in 1950.

The request for land for recreational use has increased greatly since 1948. To ensure orderly development, the Department adopted the policy of zoning areas for various uses and restricting the disposition of land for recreational purposes to areas accessible by public roads or railroads. Up to twenty percent of the shoreline is reserved for public and future use.

The present policy is to sell land in accordance with registered Plans of subdivision. From February, 1959, to October, 1962, 437 plans of subdivision for summer resort purposes have been registered; they cover 5,500 lots.

The many requests for summer resort lots have necessitated retracement surveys where the original surveys have been obliterated, particularly in Muskoka, Parry Sound and Haliburton areas.

Assistance has been granted to some rural municipalities to help meet the cost of municipal surveys of the original road allowances.

In 1922, the Department began the sketching and mapping of forested areas from oblique aerial photographs. Since 1926, vertical photographs have been used. In 1954, an Otter aircraft was purchased for aerial photography. Aerial photographs of 284,906 square miles had been taken by our staff members by March 31st, 1958, when aerial photographs and mosaics were taken over by Silviculture Section of Timber Branch.

Under The Beds of Navigable Waters Act, 1911, and The Water Powers Regulations Act, 1916, leases have been granted for development of power plants with a total installed capacity of 4,500,490 horsepower. The installed capacity of plants not under lease from the Province (including Niagara plants) is 2,900,000 horsepower.

Under the Lakes and Rivers Improvement Act, plans of all dams on rivers and streams must be submitted to the Department for approval before construction. The Department controls the regulation of the discharge of water through any dam on navigable waters under the jurisdiction of the Province. It regulates the discharge of water from lakes where dams have been rebuilt by the Department of Public Works for conservation purposes.

LANDS SECTION

The Lands Branch of the Provincial Administration came into being in 1827 with the establishment of the Department of Crown Lands under the Hon. Peter Robinson. Before that date, lands were administered under proclamations and legislative enactments.

In the early days of settlement, timber was of little value and settlers burned the forests to bring land into cultivation.

Early lands administrators were confronted by many problems arising from the influx of U. E. Loyalists and later immigrants, Clergy Reserves and the manipulations of land companies formed for colonization. Some of these problems were recited in the first printed annual report in 1857. The annual report for 1867 states:

"Previous to Confederation, separate accounts were not kept of the Woods and Forests revenue."

Effective March 29th, 1961, the sections of The Public Lands Act dealing with agricultural land disposition were repealed. Under the same Amendment Act, provision was made for the establishment of the Public Agricultural Lands Committee. The committee was established, and local district committees now deal with applications.

PINE TREE RESERVATIONS

The Act of 1868 (31 Victoria, Chap. 8) reserved pine trees on land located as free grants but passed the pine trees to the grantee with the land when the patent was issued.

Effective March 5th, 1880, under 43 Victoria, Chap. 4, pine trees were reserved in locations subject to restricted cutting permitted by locatees but, when the patent was issued, all pine trees were reserved to the Crown.

The reservation of pine trees continued until 1937 except under the 1913 Amendment of The Public Lands Act. This provided that where the land was not in timber licence and where the locatee was in residence and making improvements, he could request that pine trees be included in the patents; or, if the patent had been issued previously, he could request a pine patent.

(The Rainy River Homesteads Act, 1897, reserved all pine trees in the location but passed all pine trees remaining at the date of patent with the patent. This provision is incorporated in The Public Lands Act of 1913).

The Free Grant and Homesteads Act of 1908 provided for the opening of land (with the approval of the Lieutenant-Governor in Council) not previously opened and not withdrawn from settlement. All patents of this land included the pine trees provided the land was not under timber licence.

The Departments of Lands and Forests and of Mines were separated by Chapter 12, Geo. V., 1920, effective June 4th. Under the Acts dealing with mining lands, pine trees were reserved in patents between April, 1869, and March, 1918. After March, 1919, all trees were reserved.

DISPOSITION OF LAND BY PATENT — DOCUMENTS

in years ending March 31st (October 31st up to 1934)

| Year | Free Grant | Agri- cultural | Summer Resort | Town, City Townplot | Quit Claims | Misc | Total |
|------|---------------|-------------------|------------------|---------------------------|----------------|------|-------|
| 1921 | 500 | 307 | 30 | 30 | | | 867 |
| 1922 | 460 | 328 | 12 | 50 | | | 850 |
| 1923 | 411 | 471 | 18 | 51 | | | 951 |
| 1924 | 357 | 399 | 22 | 73 | | | 851 |
| 1925 | 367 | 329 | 45 | 115 | | | 856 |
| 1926 | 367 | 392 | 24 | 102 | | | 885 |
| 1927 | 251 | 336 | 12 | 110 | | | 609 |
| 1928 | 255 | 252 | 26 | 99 | | | 632 |
| 1929 | 220 | 318 | 15 | 79 | | | 632 |
| 1930 | 245 | 460 | 122 | 74 | | | 901 |
| 1931 | 205 | 437 | 126 | 72 | | | 840 |
| 1932 | 151 | 357 | 129 | 70 | | | 707 |
| 1933 | 88 | 188 | 122 | 70 | | | 495 |
| 1934 | 154 | 173 | 112 | 69 | | | 528 |
| 1935 | 46 | 58 | 44 | 21 | | | 177 |
| 1936 | 162 | 187 | 101 | 68 | | | 530 |
| 1937 | 111 | 104 | 149 | 53 | | | 433 |
| 1938 | 165 | 213 | 165 | 53 | | | 603 |
| 1939 | 130 | 178 | 129 | 122 | | | 590 |
| 1940 | 151 | 148 | 106 | 106 | | | 527 |
| 1941 | 154 | 172 | 126 | 86 | | | 552 |
| 1942 | 131 | 137 | 98 | 85 | | | 474 |
| 1943 | 181 | 161 | 127 | 50 | | | 541 |
| 1944 | 218 | 359 | 231 | 76 | | | 954 |
| 1945 | 226 | 315 | 206 | 108 | | | 929 |
| 1946 | 216 | 321 | 277 | 130 | | | 1,049 |
| 1947 | 168 | 433 | 496 | 249 | | | 1,491 |
| 1948 | 164 | 299 | 446 | 153 | | | 1,062 |
| 1949 | 107 | 225 | 756 | 146 | | | 1,421 |
| 1950 | 196 | 316 | 1,046 | 182 | | | 1,927 |
| 1951 | 150 | 256 | 1,125 | 143 | | | 1,849 |
| 1952 | 165 | 242 | 1,294 | 90 | | | 1,948 |
| 1953 | 120 | 256 | 1,263 | 126 | | | 1,935 |
| 1954 | 136 | 256 | 1,312 | 99 | | | 1,957 |
| 1955 | 87 | 188 | 1,479 | 70 | | | 1,987 |
| 1956 | 59 | 118 | 1,384 | 85 | | | 1,778 |
| 1957 | 40 | 126 | 1,164 | 7 | | | 1,469 |
| 1958 | 13 | 150 | 962 | 69 | | | 1,346 |
| 1959 | 36 | 118 | 1,220 | 104 | | | 1,587 |
| 1960 | 44 | 109 | 1,946 | 102 | | | 2,368 |
| 1961 | 29 | 108 | 1,841 | 94 | | | 2,231 |
| 1962 | 25 | 94 | 2,234 | 108 | 40 | 158 | 2,659 |

DISPOSITION OF LAND BY PATENT — ACREAGE

in years ending March 31st (October 31st up to 1934)

| Year | Free Grant | Agri-cultural | Summer Resort | City, Town Townplot | Quit Claims | Misc. | Total |
|------|------------|---------------|---------------|---------------------|-------------|-------|---------|
| 1921 | 60,181 | 31,391 | 155 | 49 | | | 91,776 |
| 1922 | 64,813 | 43,120 | 70 | 90 | | | 108,093 |
| 1923 | 54,350 | 56,953 | 55 | 45 | | | 111,403 |
| 1924 | 52,423 | 49,471 | 72 | 25 | | | 101,991 |
| 1925 | 49,228 | 41,777 | 101 | 31 | | | 91,137 |
| 1926 | 47,115 | 47,493 | 58 | 35 | | | 94,701 |
| 1927 | 33,882 | 42,326 | 31 | 37 | | | 76,276 |
| 1928 | 35,903 | 31,069 | 55 | 127 | | | 67,154 |
| 1929 | 30,185 | 41,035 | 31 | 34 | | | 71,285 |
| 1930 | 33,243 | 51,059 | 400 | 112 | | | 84,814 |
| 1931 | 27,310 | 49,310 | 526 | 135 | | | 77,281 |
| 1932 | 19,334 | 40,276 | 360 | 81 | | | 60,051 |
| 1933 | 12,053 | 22,087 | 378 | 612 | | | 36,439 |
| 1934 | 19,662 | 22,749 | 366 | 18 | | | 42,837 |
| 1935 | 5,707 | 7,329 | 128 | 10 | | | 13,282 |
| 1936 | 21,340 | 22,999 | 349 | 43 | | | 44,777 |
| 1937 | 14,658 | 12,331 | 423 | 24 | | | 27,523 |
| 1938 | 20,490 | 27,266 | 402 | 122 | | | 48,418 |
| 1939 | 17,569 | 20,575 | 523 | 130 | | | 40,817 |
| 1940 | 18,206 | 17,236 | 522 | 126 | | | 36,279 |
| 1941 | 16,064 | 20,154 | 469 | 20 | | | 36,849 |
| 1942 | 14,973 | 15,798 | 361 | 31 | | | 33,308 |
| 1943 | 20,387 | 18,615 | 422 | 18 | | | 41,430 |
| 1944 | 28,611 | 43,846 | 660 | 32 | | | 76,920 |
| 1945 | 29,266 | 36,308 | 1,526 | 50 | | | 70,993 |
| 1946 | 26,068 | 36,683 | 781 | 130 | | | 74,158 |
| 1947 | 21,669 | 52,190 | 1,765 | 175 | | | 89,072 |
| 1948 | 22,119 | 32,930 | 1,154 | 166 | | | 56,369 |
| 1949 | 14,360 | 26,435 | 1,985 | 67 | | | 55,979 |
| 1950 | 24,287 | 35,484 | 2,616 | 112 | | | 118,960 |
| 1951 | 19,826 | 28,105 | 2,205 | 94 | | | 55,702 |
| 1952 | 21,412 | 26,474 | 3,364 | 38 | | | 58,606 |
| 1953 | 29,319 | 29,319 | 2,287 | 69 | | | 54,738 |
| 1954 | 29,124 | 29,124 | 2,169 | 63 | | | 55,237 |
| 1955 | 21,266 | 21,266 | 2,438 | 27 | | | 40,020 |
| 1956 | 7,502 | 12,206 | 1,588 | 1,613 | | | 29,183 |
| 1957 | 5,259 | 14,883 | 1,411 | 830 | | | 27,558 |
| 1958 | 1,847 | 15,472 | 1,350 | 323 | | | 24,612 |
| 1959 | 4,658 | 12,206 | 1,588 | 52 | | | 21,060 |
| 1960 | 5,910 | 11,380 | 2,011 | 295 | | | 29,970 |
| 1961 | 3,701 | 11,633 | 1,933 | 182 | | | 22,388 |
| 1962 | 2,670 | 10,267 | 2,415 | 63 | 3,409 | 4,091 | 22,915 |

LANDS ACQUIRED BY CROWN (Acres)

In years ending March 31st

(Parks not included)

| Year | Provincial Tax Forfeitures | Cancellation of Sales | Purchased Or Otherwise Acquired | Total |
|------|----------------------------------|-----------------------------|---------------------------------------|--------|
| 1961 | 9,997 | 19,166 | 2,055 | 31,218 |
| 1962 | 16,459 | 11,090 | 1,672 | 29,221 |

SUMMER RESORT LANDS in years ending March 31st.

| Year | Sales | Acres | Cancellations | Acres | Assignments | Acres | Patents | Acres | Surveys |
|------|-------|-------|---------------|-------|-------------|-------|---------|-------|---------|
| 1944 | 344 | 948 | 10 | 25 | 3 | 5 | 231 | 659 | *** |
| 1945 | 459 | 1,180 | 11 | 20 | 9 | 15 | 206 | 1,525 | 330 |
| 1946 | 535 | 1,411 | 11 | 35 | 14 | 32 | 277 | 781 | 358 |
| 1947 | 666 | 1,841 | 6 | 6 | 37 | 186 | 496 | 1,764 | 388 |
| 1948 | 700 | 1,700 | 26 | 69 | 34 | 139 | 446 | 1,153 | 692 |
| 1949 | 1,010 | 2,336 | 45 | 218 | 40 | 107 | 756 | 1,984 | 1,199 |
| 1950 | 1,202 | 2,512 | 77 | 610 | 38 | 95 | 1,046 | 2,613 | 1,435 |
| 1951 | 1,360 | 2,484 | 62 | 112 | 50 | 94 | 1,125 | 2,294 | 1,737 |
| 1952 | 1,601 | 2,769 | 75 | 148 | 35 | 319 | 1,294 | 3,363 | 1,800 |
| 1953 | 1,290 | 2,278 | 73 | 183 | 40 | 127 | 1,263 | 2,287 | 1,458 |
| 1954 | 1,435 | 2,133 | 76 | 447 | 37 | 72 | 1,312 | 2,168 | 1,752 |
| 1955 | 1,278 | 1,871 | 84 | 166 | 28 | 42 | 1,479 | 2,438 | 1,670 |
| 1956 | 1,176 | 1,614 | 108 | 183 | 12 | 17 | 1,384 | 2,089 | 1,269 |
| 1957 | 714 | 958 | 61 | 124 | 17 | 17 | 1,164 | 1,411 | 1,207 |
| 1958 | 1,344 | 1,678 | 36 | 53 | 13 | 15 | 962 | 1,350 | 2,083 |
| 1959 | 2,155 | 2,517 | 27 | 28 | 19 | 23 | 1,220 | 1,588 | 2,660 |
| 1960 | 2,418 | 2,345 | 33 | 49 | 29 | 25 | 1,946 | 2,010 | 2,307 |
| 1961 | 1,557 | 1,543 | 58 | 72 | 25 | 25 | 1,840 | 1,929 | 2,935 |
| 1962 | 1,391 | 1,377 | 55 | 77 | 22 | 26 | 2,234 | 2,415 | 2,577 |

AGRICULTURAL LAND SALES in years ending March 31st

| Year | No. of Sales | Acres | No. of Cancellations | Acres | No. of Assignments | Acres | No. of Patents | Acres |
|------|-----------------|--------|-------------------------|--------|-----------------------|--------|-------------------|--------|
| 1944 | 325 | 31,934 | 445 | 39,615 | 177 | 20,124 | 359 | 43,845 |
| 1945 | 269 | 27,158 | 562 | 49,651 | 152 | 16,002 | 315 | 36,307 |
| 1946 | 281 | 26,535 | 438 | 42,933 | 162 | 17,464 | 321 | 36,683 |
| 1947 | 303 | 29,757 | 338 | 29,470 | 222 | 22,801 | 433 | 52,189 |
| 1948 | 280 | 29,506 | 402 | 37,069 | 185 | 21,667 | 299 | 32,929 |
| 1949 | 277 | 28,740 | 378 | 35,095 | 105 | 12,392 | 225 | 26,435 |
| 1950 | 267 | 26,671 | 327 | 32,452 | 113 | 12,145 | 316 | 35,483 |
| 1951 | 195 | 19,228 | 221 | 22,134 | 69 | 7,673 | 256 | 28,104 |
| 1952 | 223 | 24,420 | 143 | 13,358 | 71 | 7,313 | 242 | 26,474 |
| 1953 | 186 | 21,965 | 221 | 21,645 | 70 | 7,560 | 256 | 29,319 |
| 1954 | 144 | 14,534 | 131 | 13,049 | 50 | 4,484 | 256 | 29,123 |
| 1955 | 158 | 15,232 | 161 | 17,377 | 92 | 4,131 | 188 | 21,265 |
| 1956 | 117 | 12,230 | 184 | 18,513 | 26 | 3,008 | 148 | 17,892 |
| 1957 | 82 | 8,683 | 191 | 19,038 | 15 | 1,461 | 126 | 14,882 |
| 1958 | 101 | 10,543 | 174 | 17,087 | 7 | 807 | 150 | 15,471 |
| 1959 | 101 | 10,607 | 141 | 13,788 | 12 | 1,227 | 110 | 11,644 |
| 1960 | 68 | 6,758 | 59 | 5,788 | 3 | 211 | 105 | 10,980 |
| 1961 | 35 | 3,808 | 94 | 9,133 | 15 | 1,531 | 108 | 11,633 |
| 1962 | 10 | 1,102 | 58 | 5,892 | 4 | 330 | 94 | 10,267 |

FREE GRANT LAND in years ending March 31st

| Year | Locations | Acres | Cancellations | Acres | Assignments | Acres | Patents | Acres Patented |
|------|-----------|-------|---------------|--------|-------------|--------|---------|----------------|
| 1944 | 20 | 2,694 | 528 | 64,783 | 89 | 11,310 | 218 | 28,610 |
| 1945 | 21 | 2,308 | 678 | 83,655 | 116 | 14,441 | 226 | 29,266 |
| 1946 | 49 | 5,737 | 545 | 61,459 | 120 | 14,214 | 216 | 26,068 |
| 1947 | 73 | 8,243 | 449 | 51,906 | 122 | 15,523 | 168 | 21,668 |
| 1948 | 67 | 8,649 | 403 | 48,578 | 64 | 8,415 | 164 | 22,119 |
| 1949 | 49 | 5,872 | 280 | 30,536 | 54 | 7,085 | 107 | 14,360 |
| 1950 | 48 | 6,192 | 336 | 40,732 | 62 | 7,200 | 196 | 24,287 |
| 1951 | 28 | 3,608 | 289 | 35,371 | 56 | 7,747 | 150 | 19,826 |
| 1952 | 27 | 3,411 | 159 | 19,785 | 37 | 5,060 | 165 | 21,411 |
| 1953 | 36 | 4,655 | 181 | 21,874 | 25 | 3,452 | 120 | 16,131 |
| 1954 | 24 | 2,757 | 250 | 30,784 | 19 | 2,618 | 136 | 17,713 |
| 1955 | 17 | 1,823 | 209 | 25,755 | 7 | 1,005 | 87 | 11,219 |
| 1956 | 20 | 2,708 | 114 | 12,661 | 4 | 517 | 59 | 7,501 |
| 1957 | 8 | 878 | 78 | 8,727 | 1 | 151 | 47 | 6,089 |
| 1958 | 6 | 796 | 60 | 6,950 | 1 | 156 | 48 | 6,483 |
| 1959 | 4 | 462 | 43 | 4,689 | 1 | 160 | 36 | 4,658 |
| 1960 | 4 | 386 | 48 | 4,597 | 1 | 50 | 44 | 5,911 |
| 1961 | .. | ..... | 89 | 9,799 | 2 | 156 | 29 | 3,701 |
| 1962 | .. | ..... | 51 | 5,033 | .. | ..... | 25 | 2,670 |

LAND USE PERMITS in years ending March 31st

| Year | Hunt Camp | Trappers Cabin | Residence and Garden | Agriculture | Marsh Hay | Mill Site | Sugar Bush | Boat House | Misc. | Dept. Houses | Total No. | Total Acres |
|------|--------------|-------------------|----------------------------|-------------|--------------|--------------|---------------|---------------|-------|-----------------|--------------|----------------|
| 1944 | 157 | 8 | 429 | 68 | 76 | 105 | 9 | 27 | 88 | .... | 967 | ..... |
| 1945 | 254 | 30 | 392 | 114 | 63 | 137 | .. | 31 | 131 | 89 | 1,241 | 16,466 |
| 1946 | 321 | 31 | 398 | 138 | 95 | 156 | .. | 44 | 251 | 236 | 1,670 | 17,207 |
| 1947 | 391 | 25 | 570 | 201 | 38 | 172 | .. | 56 | 95 | 330 | 1,888 | 18,955 |
| 1948 | 464 | 47 | 489 | 233 | 15 | 197 | 2 | 80 | 307 | 377 | 2,211 | ..... |
| 1949 | 543 | 33 | 446 | 129 | 57 | 170 | 2 | 77 | 370 | 501 | 2,583 | 22,458 |
| 1950 | 786 | 18 | 386 | 122 | 67 | 175 | 4 | 42 | 265 | 1,262 | 3,270 | 15,846 |
| 1951 | 796 | 32 | 261 | 66 | 56 | 231 | 6 | 79 | 599 | 1,617 | 3,891 | 19,035 |
| 1952 | 866 | 13 | 259 | 47 | 34 | 239 | .. | 76 | 643 | 1,758 | ..... | ..... |
| 1953 | 957 | ... | 299 | 34 | 24 | 187 | 1 | 69 | 400 | 1,671 | 3,809 | 16,031 |
| 1954 | 1,064 | 4 | 224 | 35 | 19 | 169 | .. | 41 | 563 | 1,964 | 4,274 | 21,201 |
| 1955 | 1,220 | 29 | 246 | 34 | 10 | 180 | 9 | 102 | 683 | 2,046 | 4,559 | 18,128 |
| 1956 | 1,234 | 200 | 435 | 130 | 29 | 216 | 5 | 216 | 453 | 2,543 | 2,918 | 30,321 |
| 1957 | 1,248 | 328 | 459 | 84 | 36 | 215 | 5 | 237 | 537 | 2,613 | 3,059 | 29,669 |
| 1958 | 1,352 | 218 | 514 | 79 | 37 | 184 | 1 | 252 | 509 | 2,858 | 3,146 | 34,471 |
| 1959 | 1,190 | 279 | 514 | 89 | 31 | 214 | 3 | 368 | 365 | 3,121 | 3,053 | 36,742 |
| 1960 | 1,689 | 226 | 503 | 65 | 45 | 149 | 3 | 344 | 416 | 3,107 | 3,440 | 36,625 |
| 1961 | 1,875 | 201 | 328 | 48 | 22 | 188 | 7 | 255 | 548 | 3,181 | 3,472 | 29,899 |
| 1962 | 2,245 | 216 | 443 | 46 | 22 | 158 | 4 | 254 | 478 | 3,068 | 3,866 | 32,903 |

Variations are, for the most part, due to cancellations or issue of patents. Totals do not include department houses.

DISTRIBUTION OF LITHOGRAPHED MAPS in years ending March 31st

| Year | 20, 20A* | District | Island | Township 28, 42A* | Electoral 33A | Misc. | Provincial Total | National* Topographic | Grand Total |
|------|----------|----------|--------|----------------------|------------------|--------|---------------------|--------------------------|----------------|
| 1947 | 3,650 | 7,378 | 600 | 1,772 | 141 | 3,103 | 16,644 | 10,535 | 27,179 |
| 1948 | 1,975 | 7,373 | 168 | 506 | 25 | 1,100 | 11,147 | 11,215 | 22,362 |
| 1949 | 4,800 | 8,169 | 357 | 1,004 | 169 | 2,030 | 16,529 | 15,241 | 31,770 |
| 1950 | 1,896 | 7,560 | 1,255 | 510 | 152 | 5,062 | 16,435 | 17,013 | 33,448 |
| 1951 | 2,814 | 6,730 | 650 | 370 | 61 | 3,433 | 14,058 | 21,435 | 35,493 |
| 1952 | 2,096 | 9,426 | 932 | 285 | 311 | 3,292 | 16,342 | 24,139 | 40,481 |
| 1953 | 1,990 | 8,156 | 791 | 330 | 207 | 4,150 | 15,624 | 30,310 | 45,934 |
| 1954 | 2,734 | 9,254 | 593 | 216 | 64 | 5,167 | 18,028 | 34,459 | 52,487 |
| 1955 | 3,045 | 12,137 | 607 | 459 | 250 | 8,766 | 25,264 | 48,283 | 73,547 |
| 1956 | 2,113 | 10,475 | 882 | 576 | 839 | 1,254 | 16,139 | 48,604 | 64,743 |
| 1957 | 2,212 | 11,687 | 671 | 398 | 190 | 12,776 | 27,934 | 50,013 | 77,947 |
| 1958 | 1,831 | 12,592 | 345 | 491 | 126 | 1,890 | 17,275 | 62,048 | 79,323 |
| 1959 | 2,435 | 9,071 | 462 | 448 | 259 | 10,400 | 23,075 | 68,787 | 91,862 |
| 1960 | 1,285 | 9,728 | 345 | 829 | 320 | 8,369 | 20,876 | 68,891 | 89,767 |
| 1961 | 1,333 | 6,906 | 219 | 530 | 142 | 7,686 | 16,816 | 63,104 | 79,920 |
| 1962 | 2,523 | 10,755 | ... | 584 | 503 | 18,500 | 32,865 | 78,866 | 111,731 |

* National Topographic, except those for official use, are for resale. Includes Dominion and Provincial N.T.S. sheets.

Map 20A (free issue) replaced by Map 20 in 1958. Map 42A replaced by Map 28 in 1959.

WILDERNESS AREAS

The following have been declared wilderness areas under the Wilderness Areas Act of 1959 for the reasons stated.

1. **MASSACRE ISLAND** -- 70 acres in Lake of the Woods -- This island is of historical interest and the only site in Ontario where pelicans have been recorded as breeding. It also has a breeding colony of cormorants. It was on Massacre Island that Lieut. Jean Baptiste La Verandrye (son of the explorer, Pierre Gauthier De La Verandrye), Father Aulneau (Jesuit missionary) and 19 other men were slain by marauding Indians in 1736.
2. **JONES ROAD** -- 640 acres, north of Jackman Township, District of Kenora -- Of scientific and scenic value, this area is reserved for silvicultural research. It contains a red pine stand which is more than 300 years old.
3. **WHITE OTTER LAKE** -- 41 acres in District of Kenora -- Here is a log castle, perhaps unique, built by a Scottish trapper for a bride who never appeared. It also has a typical forest ranger log cabin.
5. **SIOUX MOUNTAIN** -- 28.4 acres in Drayton Township, District of Kenora -- This high, rocky hill, rising approximately 300 feet above the water opposite Sioux Lookout, is said to be the lookout where watch was kept for marauding bands of Sioux Indians -- hence, the name of the town.
6. **ECHO TOWNSHIP** -- 492 acres in Echo Township, District of Kenora -- Here is a stand of red pine which is scarce in Sioux Lookout District. It is set aside for silvicultural research, seed production and educational purposes.
7. **OUTER BARN ISLAND** -- 161 acres in District of Thunder Bay -- An isolated crag which should be set aside for posterity.
8. **BAT CAVE** -- 177 acres in Dorion Township, District of Thunder Bay -- Very few caves are found in northern Ontario and this particular one is the over-wintering place of a large number of bats. The adjacent area contains two rare plants: the Smooth Cliff Brake, Pellaea glabella, and Dickie's Fragile Fern, Cystopteris dickleana.
9. **SLEEPING GIANT** -- 633 acres in Sibley Township, District of Thunder Bay -- A well known point of interest at the head of the lakes; a geological formation which resembles the recumbent form of a human.
10. **PORPHYRY ISLAND** -- 260 acres in District of Thunder Bay -- This island contains flora which are rare in this area.

12. **SUTTON LAKE GORGE** -- 125 acres in District of Kenora, Patricia Portion -- The only nesting place for the golden eagle in Ontario. Here, Sutton Lake narrows to a width of approximately ten feet between walls of solid rock which rise to a height of four hundred feet above lake level. This rock outcrop is surrounded by muskeg which reaches in all directions for many miles.
13. **CAPE HENRIETTA-MARIA** -- 144,000 acres in District of Kenora, Patricia Portion -- Here are flora and fauna with an Arctic element found nowhere else in Ontario. Arctic mammals, such as the walrus, polar bear and bearded seal, occur here, as well as eleven species of Arctic birds which breed nowhere else in Ontario.
14. **OLD FORT ALBANY** -- 11 acres in District of Cochrane -- This is the site of one of the early Hudson's Bay Company posts, said to be one of the oldest places of residence in Ontario.
15. **ABITIBI NARROWS** -- 9.75 acres in Rand Township, District of Cochrane -- The site of an old Hudson's Bay Company fur trading post and also the site of an old Indian burial ground.
16. **FAIRY POINT** -- 640 acres in Missinaibi Township, District of Sudbury -- The site of an old Indian battle ground; it contains a large number of Indian paintings or pictographs.
17. **WHITEFISH FALLS** -- 266 acres in Missinaibi Township, District of Sudbury -- Reserved for its aesthetic and recreational value.
18. **OLD BRUNSWICK HOUSE** -- 51 acres in Kildare Township, District of Algoma -- The site of a Hudson's Bay Company trading post.
19. **MONTREAL RIVER** -- 108 acres in Township 29, Range XIV, District of Algoma -- Here is a stand of red pine which is valuable as a seed orchard. This is the site of a Lake Superior beach, said to be more than 35,000 years old.
20. **HILTON TOWNSHIP** -- 97 acres in Hilton Township, District of Algoma -- This area is recommended for the demonstration of tree farming methods to members of 4H Clubs.
21. **CRATER LAKES** -- 550 acres in Killarney Township, District of Manitoulin -- A scenic and historic site.
22. **EIGHTEEN MILE ISLAND** -- 482 acres in Mason Township, District of Sudbury -- An area of silvicultural interest for the observation of the undisturbed succession of the existing forest type.
23. **GANLEY HARBOUR** -- 6.5 acres on shore of Lake Superior, District of Thunder Bay -- The site of early stone pits and cairns.

24. **RICHARDSON HARBOUR ISLAND** -- 42 acres in Homer Township, District of Thunder Bay, off the shore of Lake Superior -- The site of early stone pits and cairns.
25. **KISHKEBUS LAKE** -- 332 acres in Barrie Township, Frontenac County -- An area of high aesthetic and recreational value.
27. **MATAWATCHAN** -- 160 acres in Matawatchan Township, Renfrew County -- A stand of hardwood timber reserved for observation of the natural succession in an undisturbed area.
28. **RONDEAU PARK** -- 559.74 acres in Rondeau Provincial Park, Harwich Township, Kent County -- Here are samples of flora and fauna found in few other places in Ontario.
29. **TURKEY POINT** -- 52.85 acres in Charlotteville Township, Norfolk County -- This site contains flora and fauna distinctive of this part of Ontario.
30. **MCCRAE LAKE** -- 625 acres in Baxter Township, District of Muskoka -- This area has recreational value and is also the site of biological investigations.
74. **PRESQU'ILE ISLANDS** -- 322 acres in Presqu'ile Provincial Park, Northumberland County -- An important nesting area for ring-billed gulls and common terns which occur on these islands in thousands.
78. **NEW BRUNSWICK HOUSE POST** -- 137 acres in Cromlech Township, District of Algoma -- The site of a Hudson's Bay Company post of historical interest.
82. **PINERY PROVINCIAL PARK FOREST** -- 197 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- This area was selected for its value for outdoor recreation and for scientific interest in its botany and physiography.
83. **PINERY PROVINCIAL PARK SHORE** -- 75 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- Reserved as an example of undisturbed shoreline with fore dune and rear dune area, "blow-out", and all the associated natural vegetation. This area possesses a peculiar, wild solitude. The geomorphology of shore dunes is extremely well shown by natural features which are unique in Ontario public lands.
84. **PINERY PROVINCIAL PARK DUNE FOREST** -- 129.5 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- An area which was repeatedly burned until the Park was acquired in 1955. In evidence are many "blow-outs" (complicating the topography of parallel dunes), "fixed" with vegetation which is a living example of natural forest succession under these conditions. With a light cover of oak and pine, this area has a potential for good nature trails and offers a magnificent view from a point overlooking the Ausable River and its march borders.

85. PINERY PROVINCIAL PARK FLOOD-PLAIN--25 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- Selected for scientific interest in botany and physiography and for its value for outdoor recreation.

86. AGATE ISLAND -- 148 acres in District of Thunder Bay -- Reserved to permit its retention in public ownership as a recreational area, particularly as a source of agates which are sought by amateur collectors.

89. TICKELL -- Gull Island in the Bay of Quinte -- This was the first wilderness area selected under the Act. It is restricted to preserve the island in its natural state and to provide a landing place for watercraft.

ESTABLISHED IN 1961

88. TIMBER ISLAND -- 101-acre island in Prince Edward Bay of Lake Ontario, Township of South Marysburg, County of Prince Edward, a gift to the Crown from Mrs. H. J. Cody of Toronto. The island's 74 acres of timbered land is an interesting example of undisturbed forest development on the shallow limestone sites common in the area. It is suitable for a sanctuary for migratory birds. (36th Wilderness Area)

Government
Publications

NEW POLICIES

NEW POLICIES

[illegible]

CORRECTIONS

[illegible]

LAW BRANCH

The Department has maintained a solicitor on its staff for many years but it was not until the re-organization of 1941 that the Division of Law was established. Discontinued in 1950 and re-established on March 1st, 1955, the Division was re-organized as Law Section on December 3rd, 1957, becoming Law Branch on December 1st, 1959.

G. H. Ferguson was appointed Supervisor on December 1st, 1957.

The Patents Office was transferred to Law Branch from Lands and Surveys Branch on October 1st, 1961.

It is the function of Law Branch to act in an advisory capacity to the Minister and his deputies on the legal aspects of matters affecting the administration of the Department. It provides legal counsel for, and performs the legal work of the Department. As part of this legal work, the Patents Office engrosses letters patent, leases and licences of occupation, maintains records, and provides information to the public.

Grouped according to Branches, the Acts administered by the Department are as follows.

ACCOUNTS BRANCH

THE PROVINCIAL LAND TAX ACT applies to areas without municipal organization. The rate of tax is 1.5 per cent or 15 mills. The 1961-62 Act came into force on January 1st, 1963.

THE RAILWAY FIRE CHARGE ACT applies in areas without municipal organization to "railway lands" which include lands set apart under any general or specific Act as a land subsidy or otherwise in aid of a railway. The charge of \$12.80 per square mile is the same as the fire protection charge on Crown timber licensed areas.

CONSERVATION AUTHORITIES BRANCH

THE CONSERVATION AUTHORITIES ACT deals with the formation of authorities, the composition of the Metropolitan Toronto and Region Conservation Authority, the amalgamation and enlargement of authorities, advisory boards, execution committees, the formulating and approving of schemes to be undertaken, apportionment of costs among participating municipalities, and related matters.

LAW BRANCH

Supervisor: G. H. FERGUSON

SOLICITORS:

D. A. CROSBIE
MISS GLADYS ROY

PATENTS OFFICE

Head Clerk: E. F. EATON

SECRETARY

Stenographic Staff

FISH AND WILDLIFE BRANCH

THE GAME AND FISHERIES ACT deals with the management of wildlife resources:-game animals; game birds (upland); fur bearing animals; and sale and rearing of game fish. The Act relates to:--open seasons for hunting and trapping; bag limits; Crown game preserves; fish sanctuaries; offences and enforcement; the licensing of hunters, trappers, persons operating game bird hunting preserves, fur farms, and persons selling game fish for stocking and human consumption; the regulating of dogs used in hunting, aircraft transporting hunters, and conduct of hunters (hunter safety); and farm-hunter relations.

THE WOLF AND BEAR BOUNTY ACT prescribes bounties. (Payment of bear bounties ended on July 27th, 1961.)

THE WILD RICE HARVESTING ACT prohibits the harvesting of rice on Crown land except under the authority of a licence.

THE FISH INSPECTION ACT, 1955, is complementary to the Federal Act.

THE FISHERIES ACT (CANADA). Ontario Fishery Regulations are made under this Act; they relate to open seasons for angling and commercial fishing and the licences required. The form of licences and the fees are a provincial matter and are prescribed under The Game and Fisheries Act.

THE MIGRATORY BIRDS CONVENTION ACT. Open seasons for migratory birds are set by regulations under this Act.

FOREST PROTECTION BRANCH

THE FOREST FIRES PREVENTION ACT applies to the 20 fire districts set up by regulations. The fire season, from April 1st to October 31st, may be extended by regulation. Fire permits are required during the fire season except for fires set for cooking or warmth. Forest travel permits are required during the fire season in fire districts (which are also forest travel permit areas); this does not apply to travel on public roads or communities or waterways accessible by public roads or communities. A work permit is required at any time of the year for carrying on logging, mining, any industrial operation, clearing, etc. The Minister may order a fire district closed to travel during a time of high fire hazard. The Minister may enter into agreements with timber licensees, municipalities, etc., on the prevention and control of forest fires.

LANDS AND SURVEYS BRANCH

THE PUBLIC LANDS ACT provides for:- (1) An Advisory Committee to advise on matters referred by the Minister concerning renewable, natural resources; (2) A Public Agricultural Lands Committee to recommend on agricultural lands and their settlement, replacing the regulations on this subject; (3) The disposition of Crown land for a variety of purposes by sale, lease or licence, and by auction or tender; (4) The management of Crown land by the Department by zoning for land use, setting apart for public use, research, etc., and through agreements with municipalities on beaches and water lots.

THE SURVEYS ACT defines the systems of surveys and the rules for surveyors. The Minister orders surveys made on his own volition or upon application to settle disputes or lost lines, etc.; after hearing evidence, he confirms the surveys, with or without amendment.

THE SURVEYORS ACT deals with the Association of Ontario Land Surveyors and the rules governing membership and conduct. The Minister or his appointee, the Surveyor-General, is a member of the Council of Management.

THE LAKES AND RIVERS IMPROVEMENT ACT deals with:- the construction, repair and use of dams; timber driving; and timber slide companies and tolls. The Minister is charged with the responsibility of settling disputes between conflicting users under certain circumstances.

THE WATER POWERS REGULATION ACT imposes a duty on the owner of a water power to ensure its economical and efficient use by him; it provides for inspectors with power to order alterations, repairs or improvements in the works. (This power is rarely, if ever, used.) It provides for water power leases granted to H. E. P. C. and other water power developers.

THE WILDERNESS AREAS ACT. Its purpose is to preserve areas having some unique feature. Development or utilization of the natural resources in an area more than 640 acres in size is not affected by this Act. Since passed on March 26th, 1959, 36 areas have been set apart by regulations.

THE BEDS OF NAVIGABLE WATERS ACT (sometimes referred to as the "Cochrane Act") is declaratory legislation relating to title in the beds of navigable waters. It followed the decision in the 1911 case of Keewatin Power versus the Town of Kenora. By the Act, the beds are deemed not to have passed to the grantee of bordering Crown land in the absence of an express grant.

PARKS BRANCH

THE PROVINCIAL PARKS ACT provides for the establishment of provincial parks and their management. Park Superintendents, District Foresters, Forest Rangers and Conservation Officers have the authority of a member of the O. P. P. in a provincial park.

Mining is prohibited in provincial parks except as provided in the regulations. The regulations on mining were revoked in 1956 and rights and interests existing at that time were preserved.

Hunting is prohibited in provincial parks except as provided in the regulations. This does not apply to the Townships of Bruton and Clyde (added to Algonquin Provincial Park by a Special Act) and some of the newer parks.

Concession leases are granted under the Act. The Province calls for tenders for buildings and facilities provided.

Vehicle admission charge is 50 cents per day or \$3.00 for the season. Campsite charges are \$1.00 per day. (The seasonal admission is valid for any provincial park or any park of the Ontario-St. Lawrence Development Commission or the Niagara Parks Commission. This arrangement is approved by the Ontario Parks Integration Board.)

This Act does not apply to any park under the management of the Niagara Parks Commission or the Ontario-St. Lawrence Development Commission.

TIMBER BRANCH

THE CROWN TIMBER ACT provides for the granting of licences by the Minister to cut Crown timber on the licensed area when tenders are called, or in a salvage operation, or where the Crown charges are less than \$1,000.00; and by the Minister, with the approval of the Lieutenant-Governor in Council, in other cases.

TIMBER BRANCH CONTINUED

In contrast to licensed areas, Crown Management Units may be established and agreements entered into for the supply of Crown timber. Under this arrangement, the party to the agreement does not have exclusive cutting rights in a specific area until a licence is granted to him to fill his requirements for an operating season.

Basic Crown dues, fire protection charges and ground rent are fixed by the regulations.

Other subjects dealt with are: forest management plans and practices; examination of scalers and licensing of scalers; licensing of mills; penalties for wasteful practices, unauthorized cutting, removal of timber before scaling, and other violations; and protection of the Crown's interest through seizure, statutory lien for Crown charges, etc.

THE FORESTRY ACT. Under this Act:- (1) The Minister enters into agreements with landowners such as municipalities, conservation authorities and the National Capital Commission (Ottawa) to manage forest lands; (2) Department tree nurseries are established and nursery stock distributed; (3) Private forest reserves are set up on private lands with the consent of the owner.

THE TREES ACT provides that, with the Minister's approval, municipalities may pass by-laws restricting and regulating the destruction of trees and appoint enforcement officers. Generally, by by-law, municipalities may acquire land for forestry purposes and enter into agreements for the management of such lands and related matters.

THE SETTLERS' PULPWOOD PROTECTION ACT provides for the regulation of the sale and of the price of pulpwood cut from settlers' lands.

THE SPRUCE PULPWOOD EXPORTATION ACT provides for the exportation (under the authority of an Order-in-Council) of spruce pulpwood from lands granted under special Acts which prohibited such export.

GENERAL

THE ONTARIO PARKS INTEGRATION BOARD ACT. The Board consists of the Chairman of the Niagara Parks Commission, the Chairman of the Ontario-St. Lawrence Commission (or a Vice-Chairman designated by the Commission), the Treasurer of Ontario,

GENERAL CONTINUED

the Minister of Lands and Forests, the Minister of Economics and Development and their successors from time to time, and any member of the Executive Council designated by the Lieutenant-Governor in Council.

The function of the Board is to establish integrated policies of management and development of provincial parks and parks under The Conservation Authorities Act, The Parks Assistance Act, The Niagara Parks Act and the Ontario-St. Lawrence Development Commission Act.

THE PARKS ASSISTANCE ACT provides for financial assistance to municipalities in the establishment of parks to be maintained and operated in such manner as will be complementary to provincial parks. On the recommendation of the Ontario Parks Integration Board and with the approval of the Lieutenant-Governor in Council, assistance is given by the Minister of Lands and Forests up to 50 per cent of the total cost or \$50,000, whichever is the lesser.

THE LAKE OF THE WOODS CONTROL BOARD ACT, 1922, is complementary to a Federal Act of 1921. It deals with the regulation of the water levels of the Winnipeg River, the English River, Lac Seul and Lake St. Joseph. The Board was created following a report in 1917 by the International Joint Commission which was established under a treaty made in 1909 between United States and Great Britain. The membership of the Board consists of a Federal representative and one from Manitoba and two from Ontario. One Ontario member is appointed by the H. E. P. C. The other is C. H. Fullerton, formerly Surveyor-General, with R. G. Code, presently Surveyor-General, as alternate member.

The Board has the duty to secure severally and at all times the most dependable flow and the most advantageous and beneficial use of the Winnipeg and English Rivers and, for that purpose, to regulate the outflow of:-

(a) Lake of the Woods, to levels recommended by the International Joint Commission as agreed by Canada and the United States;

(b) Lac Seul, to levels recommended by the Board and approved by the Lieutenant-Governors in Council of Ontario and Manitoba and to regulate the flow into Lac Seul through the Lake St. Joseph diversion.

(c) Winnipeg River, between its junction with the English River and Lake of the Woods, and the English River between its junction with the Winnipeg River and Lac Seul; and

(d) Other waters of the watershed of the Winnipeg River as are placed under its jurisdiction by the Governor-General in Council and the Lieutenant-Governors in Council of Ontario and Manitoba.

FEDERAL-PROVINCIAL CO-OPERATIVE AGREEMENTS

1. LAC SEUL WATER DIVERSION - February 28th, 1928

The Province constructed a water dam at the outlet of Lac Seul. Total Cost: \$ 833,919.19.

Under the agreement:

- (1) Three-fifths of cost contributed by Canada,
\$ 500,351.52.

Two-fifths of cost contributed by Ontario,
\$ 333,567.67.

- (2) Canada assumes the total cost of maintenance and operation.
- (3) Canada pays to Ontario 5% on Ontario's capital contribution. As water power is developed (79.37% as of January 1, 1959) this payment is reduced by such percentage.
- (4) As water power is developed, Ontario pays Canada the percentage mentioned in item (3) of two-fifths of the cost of maintenance and operation.

NOTE: Ontario recovers the reduction in interest and the proportion of maintenance and operation costs chargeable by Canada from the H.E.P.C. under existing Water Power Agreements.

2. LAKE OF THE WOODS STORAGE - November 15th, 1922

An agreement establishing a basis for the regulation of the Winnipeg and English Rivers was signed on November 15th, 1922, by Canada, Ontario and Manitoba. The agreement provided for the establishment of a reservoir on Lake of the Woods, the cost of which was to be apportioned to the three governments as follows:

- (1) Canada - 33.3333333 per cent - for navigation.
- (2) Ontario - 11.4871785 per cent - for power head.

- (3) Manitoba - 55.1794882 per cent - for power head.

Ontario was to pay its apportioned share of the cost of storage when the power site at White Dog Falls was completed. The Ontario Hydro-Electric Power Commission completed a generating station at White Dog Falls in 1958 and has paid \$183,961.19, Ontario's share of the cost of storage.

Ontario is also responsible for 11.4871785 per cent of the operating costs at the Lake of the Woods storage and Ontario will recover these costs from The Hydro-Electric Power Commission under the water power lease agreement for White Dog Falls.

3. USE OF BECKWITH ISLAND FOR GROUSE RESEARCH-
October 7th, 1949

Permission by letter of Federal Department of Mines and Resources (Indian Affairs Branch) on October 7th, 1949, to use Beckwith Island for grouse research purposes by the Division of Research.

4. USE OF CERTAIN AREAS IN CAMP BORDEN FOR
RESEARCH IN SILVICULTURE - January 12th, 1951.

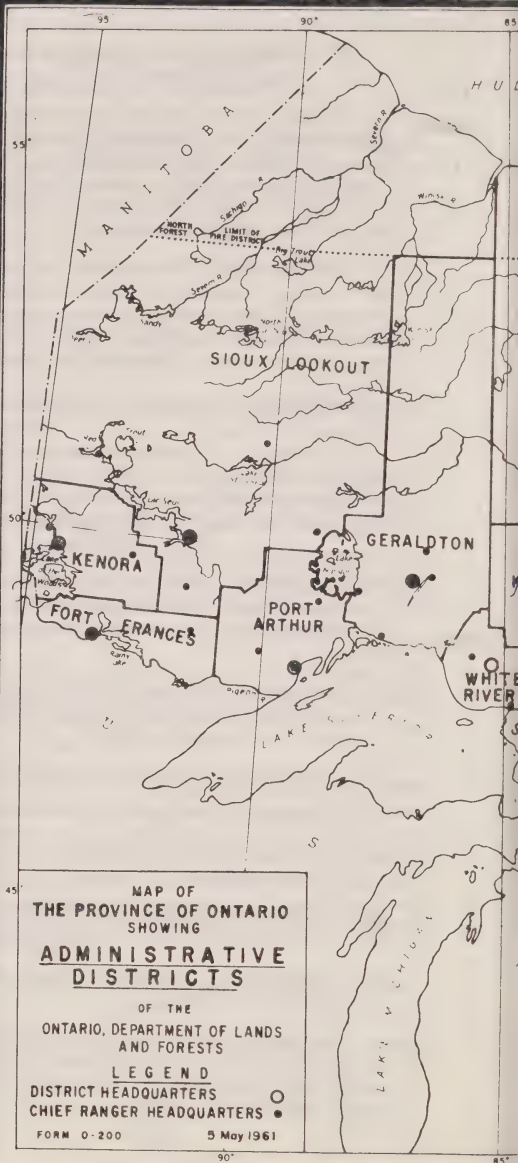
Agreement between Federal Department of National Defence and Ontario Department of Lands and Forests:

- (1) Use and occupy for 21st December, 1950, for observation and experiments on trees, certain areas in Camp Borden;
- (2) Erect boundary posts and housing for instruments;
- (3) Bring water and power into the area;
- (4) Give right of entry to the area and right to use motor vehicles in the area.

5. ESTABLISHMENT, MAINTENANCE & OPERATION OF;

- (1) Forest Insect Laboratory at Sault Ste. Marie;
- (2) Laboratory of Forest Pathology at Maple, September 30th, 1952.

Agreement between Canada (Department of Agriculture) and Ontario (Department of Lands and Forests) replaces original agreements of 28th April, 1945, and July 5th, 1949.



MAP OF
THE PROVINCE OF ONTARIO
SHOWING
**ADMINISTRATIVE
DISTRICTS**

OF THE
ONTARIO, DEPARTMENT OF LANDS
AND FORESTS

LEGEND

DISTRICT HEADQUARTERS ○
CHIEF RANGER HEADQUARTERS ●

FORM 0-200

5 May 1961



- (1) Co-operation in control of forest insects and forest diseases through entomological and pathological studies;
 - (2) Ontario agrees to provide, maintain, repair and heat for the use of the Division of Forest Biology the two laboratories;
 - (3) Canada provides research personnel and equipment for the laboratories;
 - (4) Preference given to forest insect and forest diseases problems of Ontario;
 - (5) Result of studies, advice and assistance will be available to Ontario;
 - (6) Advisory Committee to the Minister of Agriculture (Federal) and the Minister of Lands and Forests (Ontario) consists of eight members (each Minister to appoint four) with the purpose of reviewing reports and making recommendations relating to the studies by the laboratories;
 - (7) Agreement is subject to review and may be terminated on six months' notice.
6. **WEATHER OBSERVATION SERVICES - Pickle Lake**
 Agreement between Canada (Department of Transport) and Ontario (Department of Lands and Forests) dated 26th November, 1953, amended by Agreement dated 28th October, 1960.

Ontario provides weather reporting services at Pickle Lake Station in the Territorial District of Kenora (Patricia Portion) for which Canada pays to Ontario \$116 a month.

7. **ROAD ACROSS CONSTANCE LAKE INDIAN RESERVE NO. 92**

By an exchange of letters between the Deputy Minister of Citizenship and Immigration dated July 18th and October 6th, 1960 and the Deputy Minister of Lands and Forests dated the 29th day of September, 1960, the Department was given permission to use a road right-of-way through Constance Lake Indian Reserve No. 92 for a term of ten years from July 1st, 1960, subject to a renewal if required and provided the Department of Lands and Forests maintains the road in summer and winter.

8 **FUR MANAGEMENT AGREEMENT.** By an agreement dated January 24th, 1962, between the Minister of Citizenship and Immigration and the Minister of Lands and Forests, Canada co-operates in the management of the renewable natural resources in the Bruce Peninsula and the administrative districts north and west of the south boundary of Parry Sound and Pembroke, for a ten-year period commencing April 1st, 1962. Ontario undertakes the administration of programmes under the agreement and is to spend \$200,000 annually. Canada pays annually \$50,000 for administrative expenses and 50% of other expenses provided Canada's total payment shall not exceed \$100,000.

Programmes which may be undertaken under the agreement include: (1) Commercial fishing; (2) Fishing and hunting for domestic use; (3) Sports fishing and hunting, including instruction of guides and outfitters and public hunting on Indian Reserves on a fee basis; (4) Wild rice, blue berries and other wild crops; (5) Forestry, forest protection and training; and (6) Processing and marketing of products, including fur.

Programmes and budgets are recommended by an Advisory Committee of three from Ontario and two from Canada. Canada may appoint a liaison officer. The Committee may make recommendations in respect of special projects on Crown or Indian Reserves lands suitable for development as wetlands, or for forestry or multiple use, or for the establishment of processing or market facilities which may be dealt with under separate agreement. Processing projects will be undertaken only after refusal of private industry.

Principle of previous use and occupation in allocation of trapping, commercial fishing and wild crop harvesting will apply. Licences for commercial harvesting of resources will be issued only to primary producers who participate in harvesting. Indians are to obtain commercial licences. Preference to be given to Indians in hiring employees for projects.

FOREST RESEARCH AGREEMENT, January 29th, 1959.

I Agreement between Canada (Department of Northern Affairs and National Resources) and Ontario (Department of Lands and Forests) in a co-operative programme of forest research. Canada will conduct studies in forest research, particularly on problems affecting Ontario, with the recommendations of the Advisory Committee appointed under the agreement. Ontario provides accommodation. Canada supplies equipment and staff. Results of studies are available to Ontario. Canada is to comply with reasonable requests from Ontario for advice and assistance. The Advisory Committee is composed of eight members, four appointed by the Federal Minister and four appointed by the Ontario Minister. The Committee recommends pilot experiments and test procedures, and formulates recommendations respecting operating practices upon completion of experiments and tests.

II By an agreement dated April 5th, 1962, between Canada (Minister of Forestry) and Ontario (Minister of Lands and Forests) and expiring March 31st, 1964, Canada agrees to share the cost of approved projects, subject to certain provisions, as follows:-

(a) Forest Inventory - 50 per cent.

(b) Reforestation of Crown Lands, including lands of public authorities under control of the province;

(i) \$15 per unit for planting;

(ii) \$2 per unit for seeding without ground preparation;

(iii) \$4 per unit for seeding with ground preparation (scarification or controlled burning);

A unit is the planting of 1,000 trees or the seeding of an acre.

(c) Stand Improvement Projects, excluding projects on Crown land paid for by persons or agencies other than the province, or aesthetic projects - 50 per cent.

(d) Forest Access Roads, Trails and Airstrips, excluding fencing, signs, marking, maintenance, municipal roads and roads not primarily intended for the protection or management of the forest lands or transportation of forest products - 50 per cent.

(e) Forest Fire Protection, including equipment for prevention and detection, communication or transportation equipment for protection, suppression equipment, and buildings and improvements used primarily for protection, and the charter of aircraft and vessels for protection - 50 per cent.

The maximum annual payment shall not exceed \$1,650,018, of which sum not more than 60 per cent may be claimed for projects other than access projects. Additional assistance may be paid if other provinces do not qualify to receive their full allotment of the sum of \$7,910,000 which the federal government is spending on these programmes.

10 AGREEMENT UNDER THE FORESTRY ACT (Ontario)

By an agreement dated August 16, 1961, between the Minister of Lands and Forests and The National Capital Commission, the Commission leased the lands described in Schedule "A" of the agreement, being part of the Commission's land acquired under The National Capital Act (Canada) 1958 in the vicinity of Ottawa, for a period of 50 years from April 1, 1961. Additional lands may be added to the agreement from time to time by a lease in the form appended to the agreement for a term ending March 31, 2011.

The Minister agreed to manage the lands for forestry purposes. Fences, buildings, structures and other improvements must have the prior approval of the Commission. With approval of the Commission and at the sole expense of the Minister, areas may be established for public recreation. Areas may be withdrawn on payment of expenses, less revenues, without interest. Revenues from the lands are received by the Minister and on termination or expiry of the agreement the Commission will pay the Minister his expenses less the revenues, without interest. If there is an excess, it shall be paid to the Commission without interest. The agreement is to

be reviewed following April 1, 1963 and in every second year thereafter.

11 GREAT LAKES FISHERIES RESEARCH

By an exchange of letters in January, 1960, Canada (Department of Fisheries) and Ontario (Department of Lands and Forests) agreed that the recommendations of the Federal-Provincial Great Lakes Fisheries Co-ordination Committee be adopted and that responsibility for fisheries research on the Great Lakes would be assumed as follows:

Canada will assume responsibility for:

- (1) Lamprey research and control in Lake Superior. In addition, lamprey investigations in the other lakes will be carried out as required to plan for future operations in those lakes.
- (2) General Fisheries research on Lake Superior.
- (3) Economic studies on all of the Great Lakes after consultation with the Department of Lands and Forests of Ontario as to the relative importance of various approaches to this problem.
- (4) Technological studies, including gear development, after consultation with the Department of Lands and Forests of Ontario in the detail necessary to achieve suitable co-ordination with policy and with biological studies.

Ontario will assume responsibility for:

- (1) General fisheries research on Lake Huron, Lake Erie and Lake Ontario.
- (2) Collection of routine statistics of the commercial and game fish catches on each of the Great Lakes. Additional statistics may be collected if they lend themselves to routine collection. Special statistical studies for a particular lake or part of a lake will be the responsibility of the agency concerned with the general fisheries research programme for that lake.

- (3) Hydrographic surveys of a broad general nature on each of the Great Lakes. Particular limnological data of primary importance to only fisheries research will be the responsibility of the agency concerned with the general fisheries research programme in each lake.

12 TECHNICAL AND VOCATIONAL TRAINING

An agreement dated June 26, 1961, between the Government of Canada (Minister of Labour) and the Government of Ontario (Minister of Education) provides for federal contributions to provincial technical and vocational training programmes for a ten-year period expiring March 31, 1971, subject to specified qualification and regulations.

The agreement also provides for grants in respect of capital expenditures on approved training facilities, i. e. buildings, plant, machinery and equipment, including grants; prior to April 1, 1963 - 75%; after April 1, 1963 - 50%. Cost of land and other similar items are excepted.

NEW POLICIES

NEW POLICIES

[illegible]

CORRECTIONS

[illegible]

OPERATIONS BRANCH

The re-organization of the Department in June, 1941, included the establishment of the Division of Operation and Personnel as a service unit to relieve the other Divisions of numerous burdens and leave them free to concentrate on their primary responsibilities.

Mr. P. O. Rhynas was transferred from the Department of Labour to be Chief of the new Division and organize an efficient centralization of services. These included the enlistment, pay and promotion of personnel; the purchase and distribution of supplies and equipment; a basic records system; a messenger service; and a greatly increased tempo in the Department's information and educational service to the public. The large volume of work required to support so large a Department soon placed the new Division at a level of operations comparable to that of big business.

The appointment of two Assistant Deputy Ministers, J. S. Yoerger and G. H. U. Bayly, on December 1st, 1957, coincided with the separation of the service unit into the Division of Operations and a separate Personnel Section. Re-named Branch in 1959, Operations has four Sections:-

OFFICE MANAGEMENT, responsible for purchase of supplies and equipment, renting, maintenance of records, Department uniforms and many special assignments;

CENTRAL SUPPLY WAREHOUSE (established on April 1st, 1958), responsible for receiving, storage and supply of supplies, equipment, uniforms and printed material.

CONSERVATION INFORMATION, responsible for Department publications, press releases and various public appeals, the supply of information to the public, and the storage and supply of photographs and colour slides;

CONSERVATION EDUCATION, responsible for radio and television broadcasts, lectures, Department displays at exhibitions, and the making and supply of motion films.

OPERATIONS BRANCH

Chief: P. O. RHYNAS

Assistant Chief: C. V. RICH

OFFICE MANAGEMENT SECTION

Supervisor: M. A. GONTIER

Purchasing, Material Control, Customs,
Invoicing, Leased Premises,
Office Management, Records,
Circular Production, Equipment Inventory,
Uniforms

CENTRAL SUPPLY WAREHOUSE

Supervisor: M. TOMS

Housing, Recording, Shipping of Stock,
Delivery to Toronto Area Offices

CONSERVATION INFORMATION SECTION

Supervisor: R. V. WHELAN

Gathering, Screening and Producing
Information on Conservation of Natural
Resources, Compiling and Releasing
Minister's Brief, News Releases and
Public Appeals, etc.

CONSERVATION EDUCATION SECTION

Acting Supervisor: C. V. RICH

Planning and Presenting to the Public a
Complete Educational Programme of Our
Natural Resources Through Lectures,
16 mm. Motion Pictures, Television and
Exhibit Displays

LECTURE TOURS — Number of Meetings and Attendance

| Years ending March 31st | SCHOOL | | PUBLIC | | DEPARTMENT TOTAL | | Ontario Forestry Association |
|----------------------------|--------|---------|--------|---------|---------------------|---------|------------------------------------|
| 1946 | 423 | 53,913 | 246 | 24,558 | 669 | 78,471 | ..... |
| 1947 | 405 | 50,990 | 377 | 22,481 | 782 | 83,471 | ..... |
| 1948 | 780 | 101,360 | 752 | 58,615 | 1,532 | 159,975 | ..... |
| 1949 | 876 | 89,020 | 655 | 71,969 | 1,531 | 160,989 | ..... |
| 1950 | 827 | 93,895 | 629 | 136,293 | 1,456 | 230,188 | 1,511 |
| 1951 | | | | | | | 83,566 |
| 1952 | 675 | 80,411 | 913 | 75,850 | 1,588 | 156,261 | 1,241 |
| 1953 | 702 | 50,900 | 1,246 | 84,283 | 1,948 | 135,183 | 1,141 |
| 1954 | 721 | 53,679 | 1,223 | 86,895 | 1,944 | 140,574 | 611 |
| 1955 | 1,196 | 89,835 | 1,546 | 95,701 | 2,742 | 185,536 | 792 |
| | 1,143 | 92,381 | 1,526 | 116,263 | 2,669 | 208,642 | ..... |
| 1956 | 1,076 | 90,540 | 1,402 | 107,746 | 2,478 | 198,286 | 703 |
| 1957 | 1,261 | 93,672 | 1,710 | 127,174 | 2,971 | 220,846 | 674 |
| 1958 | 972 | 67,013 | 1,708 | 97,334 | 2,680 | 164,347 | 538 |
| 1959 | 831 | 68,146 | 2,196 | 124,703 | 3,027 | 192,849 | 409 |
| 1960 | 1,094 | 92,794 | 2,715 | 158,682 | 3,809 | 251,476 | 484 |
| 1961 | 1,026 | 80,015 | 3,198 | 187,686 | 4,224 | 267,701 | 401 |
| 1962 | 808 | 63,957 | 2,533 | 164,119 | 3,341 | 228,076 | 406 |
| | | | | | | | 58,442 |
| | | | | | | | 48,756 |
| | | | | | | | 56,394 |
| | | | | | | | 68,758 |
| | | | | | | | 68,832 |
| | | | | | | | 40,430 |
| | | | | | | | 61,056 |

CORRECTIONS

[illegible]

PARKS BRANCH

The Division of Parks was established on October 1st, 1954, with the late W. B. Greenwood as Chief, following the realization of an imminent need for public outdoor recreational space. The organization was named Parks Branch in 1959.

A. B. Wheatley was appointed Chief on April 1st, 1961.

Within the responsibility of providing provincial parklands is the provision of certain facilities which are necessary for public use and enjoyment. With few exceptions, the emphasis is placed upon the natural environment as much as possible. Planning and development are related to the natural surroundings.

In certain provincial parks, programmes of interpretation and exhibit centres indicate and explain significant park features.

PARKS BRANCH

Chief: A. B. WHEATLEY

DEVELOPMENT SECTION

Supervisor: T. W. Hueston

PLANNING SECTION

Supervisor: A. R. K. McDonald

INTERPRETIVE SECTION

Supervisor: A. F. Helmsley

OFFICE MANAGEMENT SECTION

Office Manager: T. M. Van Dusen

SPECIAL PROJECTS

C. R. Tilt

Secretary

Ontario Parks Integration Board

PUBLIC USE OF PROVINCIAL PARKS

| Year | No. of Parks | No. of Vehicles | No. of Campers | No. of Visitors |
|-----------|-----------------|--------------------|-------------------|--------------------|
| 1956..... | 21 | ..... | 86,641 | ..... |
| 1957..... | 39 | 629,666 | 162,705 | 2,114,661 |
| 1958..... | 45 | 927,871 | 276,128 | 3,232,460 |
| 1959..... | 55 | 1,420,180 | 479,069 | 5,127,199 |
| 1960..... | 63 | 1,552,662 | 592,103 | 5,692,978 |
| 1961..... | 77 | 1,725,876 | 862,559 | 6,215,370 |
| 1962..... | 82 | 2,182,116 | 1,058,203 | 7,822,549 |

ATTENDANCE AT INTERPRETIVE PROGRAMMES

| Year | No. of Parks | Museums | Nature Trails | Conducted Hikes | Lectures | Child Camps |
|---------------|-----------------|----------|------------------|--------------------|----------|----------------|
| 1950... | 1 | ..... | 6,173 | 363 | 1,230 | ..... |
| 1951... | 1 | ..... | 5,390 | 413 | 1,473 | 870 |
| 1952... | 2 | 200 | 14,341 | 752 | 2,059 | 958 |
| 1953... | 2 | 53,843 | 12,761 | 952 | 5,171 | 1,140 |
| 1954... | 3 | 72,839 | 18,920 | 1,353 | 7,521 | 2,193 |
| 1955... | 3 | 75,711 | 25,388 | 1,927 | 6,996 | 1,448 |
| 1956... | 5 | 91,246 | 23,125 | 2,015 | 8,912 | 1,815 |
| 1957... | 6 | 119,200 | 26,855 | 2,824 | 10,760 | 1,949 |
| 1958... | 6 | 146,681 | 40,617 | 3,973 | 14,799 | 2,790 |
| 1959... | 8 | 217,672 | 38,771 | 5,782 | 21,820 | 2,168 |
| 1960... | 9 | 298,129* | 46,679 | 6,958 | 23,828 | 468 |
| 1961... | 8 | 311,291* | 46,955 | 7,104 | 28,726 | 900 |
| 1962... | 12 | 374,475* | 55,553* | 9,748 | 46,301 | 1,340 |
| 1962 | | | | | | |
| Algonquin... | 245,291* | 40,590 | 4,342 | 21,690 | 1,220 | |
| Nancy Island | 21,657 | ..... | ..... | ..... | ..... | ..... |
| Presqu'ile.. | 23,738 | 4,641 | 1,417 | 6,662 | 120 | |
| Quetico..... | 7,012 | 1,218 | 332 | 1,661 | ..... | ..... |
| Rondeau..... | 28,561 | ..... | 1,166 | 3,213 | ..... | ..... |
| Sibbald Point | 21,516 | ..... | ..... | ..... | ..... | ..... |
| Sibley..... | 26,700 | 520 | 808 | 3,875 | ..... | ..... |
| Inverhuron.. | ..... | 7,000* | ..... | ..... | ..... | ..... |
| Lake Superior | ..... | ..... | 427 | 2,225 | ..... | ..... |
| Remi Lake... | ..... | 84 | ..... | ..... | ..... | ..... |
| Kap-Kig-Iwan | ..... | 1,500* | ..... | ..... | ..... | ..... |
| Pinery..... | ..... | ..... | 1,256 | 6,975 | ..... | ..... |

* Estimated; all other figures are actual count.

† Does not include wilderness campers.

PROVINCIAL PARKS AND PARK RESERVES

as of November 30th, 1962

| DISTRICT PARK | Area (Acres) | Campers in 1962 | Visitors in 1962 |
|---------------------|-----------------|--------------------|---------------------|
| CHAPLEAU | | | |
| Five Mile Lake..... | 1,010 | 2,764 | 7,359 |
| Reserve (1)..... | 15,360 | | |
| COCHRANE | | | |
| Greenwater..... | 10,560 | 1,803 | 9,961 |
| Kettle Lakes..... | 2,304 | 4,469 | 66,223 |
| Reserve (1)..... | 46,000 | | |
| FORT FRANCES | | | |
| Caliper Lake..... | 246 | 6,431 | 30,631 |
| Lake of the Woods.. | 2,127 | 944 | 10,842 |
| Quetico..... | 1,148,800 | 6,184 | 37,056 |
| GERALDTON | | | |
| Blacksand..... | 3,353 | 8,968 | 12,085 |
| Klotz Lake..... | 210 | 2,354 | 2,354 |
| MacLeod Lake..... | 200 | 4,670 | 41,706 |
| Rainbow Falls..... | 277 | 29,167 | 85,497 |
| Reserves (10)..... | 154,200 | | |
| GOGAMA | | | |
| Ivanhoe..... | 1,280 | 3,703 | 4,038 |
| KAPUSKASING | | | |
| Nagagamisis..... | 11,878 | 2,357 | 13,549 |
| Remi Lake..... | 980 | 4,130 | 25,979 |
| Reserves (2)..... | 5,595 | | |
| KEMPTVILLE | | | |
| Fitzroy..... | 434 | 10,214 | 58,985 |
| Murphy's Point..... | 784 | Dev | |
| Rideau River..... | 130 | 16,836 | 198,945 |
| Silver Lake..... | 78 | 19,752 | 91,465 |
| South Nation..... | 13 | 6,076 | 40,343 |
| KENORA | | | |
| Aaron..... | 124 | 6,832 | 33,310 |
| Rushing River..... | 395 | 13,504 | 48,689 |
| Sioux Narrows..... | 284 | 5,746 | 36,016 |
| Blue Lake..... | 176 | 8,856 | 33,376 |
| Reserve (1)..... | 3,425 | | |
| LAKE ERIE | | | |
| Clay Creek..... | 24 | 2,289 | 39,587 |
| Holiday Beach..... | 205 | 1,650 | 155,842 |
| Ipperwash..... | 109 | 23,226 | 199,494 |
| Long Point..... | 848 | 23,087 | 178,434 |
| Pinery..... | 4,333 | 64,289 | 329,259 |
| St. Williams..... | 5 | Day | 19,650 |
| Rock Point..... | 42 | 2,735 | 20,759 |
| Rondeau..... | 5,504 | 36,221 | 686,337 |
| Turkey Point..... | 778 | 9,827 | 342,457 |

Day - Day Use Parks.

Dev - Parks under Development.

PROVINCIAL PARKS AND PARK RESERVES (Continued)

as of November 30th, 1962

| DISTRICT PARK | Area (Acres) | Campers in 1962 | Visitors in 1962 |
|----------------------------|-----------------|--------------------|---------------------|
| LAKE ERIE - Cont'd. | | | |
| John E. Pearce..... | 62 | Day | |
| Port Bruce..... | 28 | Day | |
| LAKE HURON | | | |
| Craigleith..... | 27 | 16,302 | 70,769 |
| Inverhuron..... | 545 | 23,888 | 115,764 |
| Sauble Falls..... | 44 | 15,050 | 166,219 |
| LAKE SIMCOE | | | |
| Bass Lake..... | 85 | 24,500 | 166,276 |
| Devils Glen..... | 14 | 3,740 | 71,110 |
| Earl Rowe..... | 732 | 6,350 | 69,707 |
| Sibbald Point | 495 | 51,100 | 342,168 |
| Six Mile Lake..... | 177 | 15,450 | 100,841 |
| Springwater..... | 117 | Day | 98,344 |
| Wasaga Beach..... | 140 | Day | 518,136 |
| Reserve (1)..... | 100 | | |
| LINDSAY | | | |
| Darlington..... | 295 | 13,792 | 118,860 |
| Emily..... | 67 | 19,975 | 169,503 |
| Mark S. Burnham..... | 101 | Day | 19,011 |
| Presqu'ile..... | 2,170 | 43,546 | 311,749 |
| Serpent Mounds..... | 70 | 15,490 | 108,848 |
| Reserves (3)..... | 13,955 | | |
| NORTH BAY | | | |
| Antoine..... | 23 | 2,020 | 12,872 |
| Finlayson Point.... | 75 | 9,207 | 31,426 |
| Marten River..... | 766 | 17,254 | 71,473 |
| Samuel de Champlain | 1,444 | 8,381 | 40,406 |
| Reserves (2)..... | 18,000 | | |
| PARRY SOUND | | | |
| Grundy Lake..... | 6,310 | 30,622 | 157,746 |
| Oastler Lake..... | 24 | 16,201 | 132,342 |
| Killbear Point..... | 2,334 | 28,667 | 157,279 |
| Mikisew..... | 99 | 10,012 | 37,239 |
| Sturgeon Bay..... | 20 | 7,463 | 23,502 |
| Restoule..... | 1,417 | 4,224 | 9,937 |
| PEMBROKE | | | |
| Algonquin..... | 1,862,144 | 102,308 | 580,402 |
| Carson Lake..... | 15 | 3,682 | 6,018 |
| Driftwood..... | 655 | 8,295 | 15,297 |
| PORT ARTHUR | | | |
| Inwood..... | 82 | 9,399 | 13,727 |
| Sibley..... | 45,120 | 13,788 | 31,644 |
| Kakabeka Falls..... | 891 | 20,253 | 305,585 |
| Middle Falls..... | 11 | 8,706 | 53,570 |
| Reserves (1)..... | 8,900 | | |

Day - Day Use Parks.

Dev - Parks under Development.

PROVINCIAL PARKS AND PARK RESERVES (Continued)

as of November 30th, 1962

| DISTRICT PARK | Area (Acres) | Campers in 1962 | Visitors in 1962 |
|-------------------------|--------------------------|--------------------|---------------------|
| SAULT STE. MARIE | | | |
| Pancake Bay..... | 710 | 29,100 | 75,637 |
| Batchawana..... | 400 | Dev | |
| Lake Superior..... | 333,632 | 30,989 | 69,296 |
| Reserve (1)..... | 90,000 | | |
| SIOUX LOOKOUT | | | |
| Pakwash..... | 71 | 1,168 | 1,350 |
| Ojibway..... | 6,130 | 1,220 | 1,500 |
| Reserve (1)..... | 6,310 | | |
| SUDBURY | | | |
| Fairbank..... | 85 | 13,338 | 38,966 |
| Windy Lake..... | 293 | 4,266 | 82,726 |
| Chutes..... | 235 | 1,100 | 1,192 |
| Reserve (1)..... | app. 640,000 | | |
| SWASTIKA | | | |
| Esker Lakes..... | 7,680 | 4,000 | 26,489 |
| Kap-Kig-Iwan..... | 759 | 2,883 | 34,116 |
| Reserve (1)..... | 640 | | |
| TWEED | | | |
| Black Lake..... | 77 | 10,823 | 51,598 |
| Lake on the Mountain | 256 | Day | |
| Lake St. Peter..... | 62 | 5,565 | 21,253 |
| Outlet Beach..... | 263 | 25,792 | 281,346 |
| Sandbanks | 1,200 | Day | 23,197 |
| Bon Echo..... | 1,460 | 17,994 | 84,610 |
| WHITE RIVER | | | |
| White Lake | 3,980 | 31,216 | 41,275 |
| Reserves (2)..... | 37,040 | | |
| TOTAL..... | Approx. 4,594,508 | 1,058,203 | 7,822,549 |

Day - Day Use Parks.

Dev - Parks under Development.

NEW POLICIES

CORRECTIONS

[illegible]

PERSONNEL BRANCH

The personnel work of the Department was centralized under the Division of Operation and Personnel which was established in the re-organization of the Department in June, 1941. On December 1st, 1957, Personnel became a separate Section with Mr. S.H.C. Parsons as Supervisor. Named Branch on December 1st, 1959, Personnel is responsible for:--

- Recruitment
- Transfers and Promotions
- Courses and Educational Leave
- Grievances, Discipline

- Classification
- Class Specifications
- Job Descriptions
- Salary Surveys

- Personnel Records
- Nominations, Separations, Renewals
- Permanent and Temporary Appointments
- Annual Increments, Attendance

- Junion Ranger Programme
- Safety and First Aid
- Workmen's Compensation

- Transfers and Promotions
- Establishments
- Control of Casuals
- Job Advertising
- Staff Appraisals

- Special Assignments
- Staff Replacement Needs
- Comparative Salary Surveys
- Job Descriptions
- Recruitment of Professional Staff.

NUMBER OF EMPLOYEES
in years ending March 31st

**WORKMANS
COMPENSATION**

| Year | Perm- anent | Temp orary | Mon- thly | Total | Casual* | Claims | Cost |
|------|----------------|---------------|--------------|-------|---------|--------|-----------|
| 1943 | 304 | 218 | ... | 522 | 339 | ... | ..... |
| 1944 | 310 | 268 | ... | 578 | 397 | 98 | \$ 12,850 |
| 1945 | 324 | 305 | ... | 629 | 929 | 120 | 14,540 |
| 1946 | 373 | 318 | ... | 691 | 573 | 129 | 14,249 |
| 1947 | 523 | 562 | ... | 1,085 | 527 | 182 | 21,560 |
| 1949 | 1,167 | 196 | ... | 1,363 | 562 | 494 | 35,989 |
| 1950 | 1,352 | 157 | ... | 1,509 | 580 | 501 | 50,989 |
| 1951 | 1,420 | 141 | ... | 1,561 | 617 | 394 | 43,951 |
| 1952 | 1,441 | 181 | ... | 1,622 | 790 | 368 | 54,158 |
| 1953 | 1,518 | 158 | ... | 1,676 | 680 | 417 | 51,169 |
| 1954 | 1,546 | 175 | ... | 1,721 | 633 | 494 | 64,693 |
| 1955 | 1,618 | 142 | ... | 1,760 | 727 | 455 | 63,357 |
| 1956 | 1,611 | 180 | ... | 1,791 | 655 | 910 | 106,962 |
| 1957 | 1,583 | 175 | ... | 1,758 | 929 | 588 | 85,159 |
| 1958 | 1,685 | 134 | ... | 1,819 | 3,209 | 727 | 101,376 |
| 1959 | 1,759 | 113 | ... | 1,872 | 2,750 | 874 | 132,572 |
| 1960 | 1,946 | 90 | ... | 2,036 | 1,224 | 687 | 150,709 |
| 1961 | 2,096 | 121 | 320 | 2,537 | 1,734 | 649 | 130,210 |
| 1962 | 2,348 | 189 | 44 | 2,581 | 1,059 | 771 | 120,384 |

*Does not include extra fire fighters.

| ON STAFF | | NUMBER OF PROFESSIONAL EMPLOYEES with University degrees in years ending March 31st | | | | | |
|---------------------|---------------------------|--|----------------|-----------------|----------------|--------|-------|
| Licensed Scalers | Ranger School Grads | Year | Fore- sters | Biolo- gists | Civil Engrs | Others | Total |
| ... | ... | 1943 | 56 | .. | .. | 19 | 75 |
| ... | ... | 1944 | 45 | .. | .. | 13 | 58 |
| ... | ... | 1945 | 54 | .. | .. | 29 | 83 |
| ... | ... | 1946 | 55 | .. | .. | 14 | 69 |
| ... | ... | 1947 | ... | .. | .. | .. | ... |
| ... | ... | 1949 | 85 | 18 | 2 | 10 | 115 |
| ... | ... | 1950 | 123 | 20 | 4 | 10 | 157 |
| 343 | 237 | 1951 | 147 | 25 | 3 | 12 | 187 |
| 356 | 257 | 1952 | 158 | 26 | 5 | 16 | 205 |
| 381 | 293 | 1953 | 166 | 33 | 5 | 16 | 220 |
| 391 | 331 | 1954 | 172 | 36 | 6 | 23 | 237 |
| 392 | 379 | 1955 | 174 | 39 | 5 | 26 | 244 |
| 404 | 425 | 1956 | 139 | 34 | 6 | 27 | 206 |
| 429 | 461 | 1957 | 182 | 34 | 6 | 27 | 249 |
| 459 | 504 | 1958 | 181 | 40 | 6 | 24 | 251 |
| 495 | 533 | 1959 | 193 | 41 | 10 | 22 | 266 |
| 578 | 575 | 1960 | 189 | 43 | 10 | 25 | 267 |
| 710 | 639 | 1961 | 218 | 53 | 10 | 24 | 305 |
| 725 | 703 | 1962 | 231 | 68 | 7 | 40 | 346 |

SUMMARY OF CLASSIFICATIONS

Permanent and Temporary Staff as of October 31st. 1962

| GROUPS | Head Office | Field | Total |
|-------------------------------|-------------|--------------|--------------|
| Air Engineers | 33 | 10 | 43 |
| Air Pilots..... | 25 | 12 | 37 |
| Air Service Staff..... | 23 | -- | 23 |
| Artists, Commercial..... | 1 | -- | 1 |
| Biologists..... | 19 | 35 | 54 |
| Boat Captains..... | -- | 2 | 2 |
| Communication Technicians.... | 8 | 21 | 29 |
| Conservation Officers..... | 6 | 216 | 222 |
| Conservationists..... | 19 | -- | 19 |
| Draughtsmen, Cartographers... | 47 | -- | 47 |
| Engineers..... | 7 | -- | 7 |
| Engineers (Stationary)..... | 4 | -- | 4 |
| Foresters..... | 45 | 111 | 156 |
| Forest Rangers..... | 9 | 678 | 687 |
| Hatchery Staffs..... | 2 | 60 | 62 |
| Maintenance Staffs..... | 21 | 118 | 139 |
| Mechanics, etc. | 11 | 52 | 63 |
| Office Staffs..... | 323 | 287 | 610 |
| Photography Staffs..... | 17 | -- | 17 |
| Radio Operators..... | 3 | 22 | 25 |
| Reforestation Staffs..... | 2 | 88 | 90 |
| Research Scientists..... | 23 | 2 | 25 |
| Research Technicians..... | 5 | -- | 5 |
| Safety Officers..... | 1 | 3 | 4 |
| Solicitors..... | 2 | -- | 2 |
| Supervisory Staff..... | 31 | 43 | 74 |
| Supply Assistants..... | 12 | 15 | 27 |
| Surveyors..... | 6 | -- | 6 |
| Survey Technicians..... | 2 | -- | 2 |
| Truck Drivers..... | 3 | 35 | 38 |
| TOTAL..... | 710 | 1,810 | 2,520 |
| FOREST RANGERS | | | |
| Class 5*..... | 1 | 21 | 22 |
| Class 4*..... | 2 | 89 | 91 |
| Class 3*..... | -- | 201 | 201 |
| Class 2..... | 5 | 162 | 167 |
| Class 1..... | 1 | 205 | 206 |
| CONSERVATION OFFICERS | | | |
| Class 6*..... | -- | 7 | 7 |
| Class 5*..... | 2 | 14 | 16 |
| Class 4*..... | 2 | 10 | 12 |
| Class 3*..... | -- | 24 | 24 |
| Class 2..... | 1 | 135 | 136 |
| Class 1..... | 1 | 26 | 27 |

(*Supervisory Level)

DISTRIBUTION OF JUNIOR RANGERS (Summer Months Only)

| DISTRICT | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 | 1962 |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|
| Chapleau..... | 23 | 26 | 40 | 46 | 39 | 38 | 35 | 37 | 36 | 69 | 88 |
| Cochrane..... | 26 | 36 | 39 | 45 | 39 | 35 | 24 | 24 | 25 | 36 | 33 |
| Fort Frances..... | ... | ... | ... | 14 | 16 | 14 | 14 | 23 | 12 | 12 | 24 |
| Geraldton..... | 10 | 15 | 35 | 24 | 27 | 48 | 59 | 64 | 46 | 60 | 55 |
| Gogama..... | 21 | 25 | 34 | 43 | 27 | 38 | 36 | 39 | 37 | 47 | 35 |
| Kapuskasing..... | 12 | 21 | 32 | 43 | 33 | 28 | 34 | 40 | 36 | 36 | 39 |
| Kenora..... | ... | ... | 10 | ... | 10 | 11 | 25 | 26 | 13 | 12 | 13 |
| Lindsay..... | 14 | 25 | 29 | 46 | ... | ... | ... | ... | ... | ... | ... |
| North Bay..... | 22 | 30 | 38 | 38 | 38 | 48 | 35 | 38 | 26 | 36 | 34 |
| Parry Sound..... | 12 | 15 | 20 | 25 | 46 | 35 | 36 | 37 | 36 | 46 | 55 |
| Pembroke..... | 32 | 35 | 42 | 51 | 48 | 42 | 34 | 34 | 24 | 33 | 37 |
| Port Arthur..... | 13 | 15 | 11 | 8 | 24 | 13 | 36 | 39 | 24 | 25 | 36 |
| Sault Ste. Marie.. | 31 | 37 | 60 | 53 | 75 | 73 | 64 | 63 | 67 | 64 | 65 |
| Sioux Lookout..... | 12 | 21 | 19 | ... | 11 | 13 | 13 | 15 | 13 | ... | 23 |
| Sudbury..... | 14 | 23 | 24 | 42 | 76 | 51 | 46 | 39 | 49 | 48 | 57 |
| Swastika..... | 24 | 27 | 31 | 11 | 43 | 24 | 24 | 26 | 24 | 48 | 40 |
| Tweed..... | 24 | 29 | 32 | 26 | ... | ... | ... | ... | ... | ... | ... |
| White River..... | 22 | 23 | 28 | 42 | 62 | 39 | 49 | 49 | 35 | 47 | 47 |
| TOTAL..... | 312 | 403 | 524 | 547 | 614 | 550 | 564 | 593 | 503 | 619 | 681 |

LANDS AND FORESTS ADMINISTRATIVE DISTRICTS

February, 1961

| (Areas are given in square miles as of March 31st, 1961) | Administrative District | | | Fire Protection | | |
|---|-------------------------|--------|---------|-----------------|-------|--------|
| | Fish & Wildlife Control | | | | | |
| | Land | Water | Total | Land | Water | Total |
| Chapleau..... | 6,279 | 633 | 6,912 | 6,279 | 633 | 6,912 |
| Cochrane..... | 62,522 | 5,660 | 68,182 | 54,026 | 4,061 | 58,087 |
| Fort Frances..... | 5,820 | 1,379 | 7,199 | 5,820 | 1,379 | 7,199 |
| Geraldton..... | 35,543 | 9,807 | 45,350 | 35,543 | 9,807 | 45,350 |
| Gogama..... | 5,931 | 446 | 6,377 | 5,931 | 446 | 6,377 |
| Kapuskasing..... | 17,776 | 750 | 18,526 | 17,776 | 750 | 18,526 |
| Kemptville..... | 5,351 | 298 | 5,649 | ..... | ..... | ..... |
| Kenora..... | 9,173 | 3,000 | 12,173 | 9,173 | 3,000 | 12,173 |
| Lake Erie..... | 6,905 | 6,142 | 13,047 | ..... | ..... | ..... |
| Lake Huron..... | 8,860 | 6,486 | 15,346 | 723 | 22 | 745 |
| Lake Simcoe..... | 4,710 | 1,444 | 6,154 | 220 | 19 | 239 |
| Lindsay..... | 5,097 | 1,692 | 6,789 | 2,498 | 217 | 2,715 |
| North Bay..... | 4,969 | 887 | 5,856 | 4,969 | 887 | 5,856 |
| Parry Sound..... | 5,552 | 3,031 | 8,583 | 5,552 | 3,031 | 8,583 |
| Pembroke..... | 4,765 | 410 | 5,175 | 4,575 | 400 | 4,975 |
| Port Arthur..... | 11,309 | 2,578 | 13,887 | 11,309 | 2,578 | 13,887 |
| Sault Ste. Marie..... | 8,167 | 3,387 | 11,554 | 8,024 | 3,328 | 11,352 |
| Sioux Lookout..... | 109,016 | 11,099 | 120,115 | 73,402 | 8,001 | 81,403 |

| | | | | | | |
|------------------------------|----------------|---------------|----------------|----------------|---|----------------|
| Sudbury..... | 6,538 | 4,298 | 10,836 | 6,538 | 1,243 | 7,781 |
| Swastika..... | 5,270 | 291 | 5,561 | 5,270 | 291 | 5,561 |
| Tweed..... | 7,015 | 1,721 | 8,736 | 4,558 | 304 | 4,862 |
| White River..... | 6,400 | 3,051 | 9,451 | 6,400 | 3,051 | 9,451 |
| TOTAL..... | 342,968 | 68,490 | 411,458 | 268,586 | 43,448 | 312,034 |
| Manitoulin Island Group..... | | | 1,124 | | | |
| Total Area of Ontario..... | | | 412,582 | Square Miles. | This includes the Great Lakes north of the International Boundary. | |

St. Joseph Island (143 sq. mile) is included in Sault Ste. Marie District for all purposes except fire protection.

Manitoulin Islands, including Cockburn Island, are in Sudbury District for Fish and Wildlife control, only. Sudbury administrative area includes waters of the North Channel and Lake Huron within the Territorial District of Manitoulin, but it does not include the land area of Manitoulin, Cockburn, Fritzwilliam, Lonely, Great Duck, Western Duck or Barrie Islands.

The Great Lakes are included in Administrative Water Areas as follows: Port Arthur, 1,593; Geraldton, 4,872; White River, 2,530; Sault Ste. Marie, 2,737; Tweed, 1,349; Lindsay, 1,268; Lake Erie, 5,832; Lake Simcoe, 1,082; Lake Huron, 6,446; Sudbury, 3,664; and Parry Sound, 2,323. Total: 33,696 square miles.

Ontario's southern boundary has a shoreline of 2,362 miles; northern boundary, 680 miles.

The highest point in Ontario is in the Lake Superior Region where land is 2,120 feet above sea level.

(SEE MAP OF DISTRICTS, Pages 76, 77)

ASSISTANT DEPUTY MINISTERS

J. S. YOERGER - - - - - Fish and Wildlife Branch
Lands and Surveys Branch
Parks Branch

G. H. U. BAYLY - - - - - Forest Protection Branch
Research Branch
Timber Branch

REGIONAL DIRECTORS

R. D. K. ACHESON - - - - - 172 Elm St. , West,
Sudbury.
Telephone Osbourne 5-8394

A. S. BRAY - - - - - Forestry Building,
Port Arthur.
Telephone DI-5-6543.

REGIONAL FORESTERS

R. BOULTBEE - - - - - WESTERN
232 Scott St. ,
Fort Frances.
Telephone BR-4-5337.

R. HYSLOP - - - - - MID-WESTERN
Forestry Building
Port Arthur.
Telephone DI-5-6543.

R. H. HAMBLBY - - - - - NORTHERN
113 6th Avenue,
Cochrane.
Telephone 139.

D. R. WILSON - - - - - SOUTH-EASTERN
Ontario Government Building,
Lindsay.
Telephone 324-6121.

P. ADDISON - - - - - SOUTH-WESTERN
R. R. 2, Maple.
Telephone Av-5-1171-212.

CHAPLEAU DISTRICT

OFFICE: Corner Lorne and Beach Streets.

Telephone 51

District Forester J. R. Keddie

SUPERVISORS

| | |
|-----------------------------|----------------|
| Accounts | G. J. Murray |
| Fish and Wildlife | V. Crichton |
| Forest Protection. | L. Ridsdill |
| Lands | W. E. MacPhail |
| Parks | W. E. MacPhail |
| Timber | D. E. Gage |
| Scaling | L. C. Mantle |

CHIEF RANGERS

| | |
|-----------------------|-----------------|
| Biscotasing | W. P. O'Donnell |
| Chapleau | L. T. Cecile |

COCHRANE DISTRICT

OFFICE: Court House. Telephone 142.

District Forester F. L. Hall

SUPERVISORS

| | |
|-----------------------------|-----------------|
| Accounts | A. N. Birney |
| Fish and Wildlife | S. Nodwell |
| Forest Protection. | G. P. Elliott |
| Lands | H. E. Wright |
| Reforestation. | |
| Timber | P. Anslow |
| Scaling | S. E. McWhirter |

CHIEF RANGERS

| | |
|--------------------|------------|
| Low Bush | R. Woodali |
| Cochrane | S. Russell |
| Timmins | C. R. Gray |

FORT FRANCES DISTRICT

OFFICE: 232 Scott Street. Telephone Browning 4-5337.

District Forester R. A. Balkwill

SUPERVISORS

| | |
|-----------------------------|--------------|
| Accounts. | A. R. Taylor |
| Fish and Wildlife | H. Pearson |
| Biologist. | C. Elsey |
| Forest Protection. | : |
| Surveys and Parks | L. Rawn |
| Reforestation | E. L. Kelly |
| Timber | H. Henry |
| Scaling | G. E. Mayhew |

CHIEF RANGERS

| | |
|------------------------|----------------|
| Fort Frances | J. E. Anderson |
| Atikokan. | F. Dustak |

GERALDTON DISTRICT

OFFICE: 184 Main Street. Telephone 1030.

District Forester G. E. MacKinnon

SUPERVISORS

| | |
|-----------------------------|---------------------|
| Accounts | B. J. Scalzo |
| Fish and Wildlife | E. H. Stone |
| Biologist | J. Goddard (Acting) |
| Forest Protection. | R. V. Brady |
| Land and Parks | A. F. Parker |
| Timber | F. C. Robinson |
| Scaling | A. G. Strey |

CHIEF RANGERS

| | |
|----------------------|----------------|
| Longlac | H. N. Whalen |
| Nakina | J. A. Murphy |
| Plays Plat | A. J. McGoey |
| Geraldton. | P. Bellavance |
| MacDiarmid | R. W. A. Koski |

GOGAMA DISTRICT

OFFICE: Town of Gogama. Telephone 95.

District Forester D. M. Peacock

SUPERVISORS

| | |
|-----------------------------|---------------|
| Accounts | J. D. Petrony |
| Fish and Wildlife | |
| Forest Protection. | J. Canfield |
| Lands | R. Brandes |
| Parks | |
| Timber | J. McKnight |
| Scaling | E. Dew |

CHIEF RANGERS

| | |
|-------------------|------------------|
| Foleyet | J. R. Languerand |
| Gogama | A. F. Papineau |

KAPUSKASING DISTRICT

KAPUSKASING

OFFICE. Kapuskasing.
Telephone Edgewood 5-2231

District Forester J. S. Ball

SUPERVISORS

| | |
|-----------------------------|--------------|
| Fish and Wildlife | O. Lewis |
| Forest Protection. | F. Dodds |
| Lands | T. Murphy |
| Parks | R. N. Staley |
| Reforestation | P. Hare |
| Timber | R. A. Baxter |
| Scaling | E. A. Boice |

CHIEF RANGERS

| | |
|----------------------|----------------|
| Kapuskasing. | J. H. Clavelle |
| Hearst. | J. Shalla |
| Hornepayne | L. E. Grife |

KEMPTVILLE DISTRICT

OFFICE: Kemptville. Telephone 258-3411.

District Forester W. A. G. Thurston

SUPERVISORS

| | |
|-----------------------------|----------------|
| Accounts | F. S. Bumstead |
| Fish and Wildlife | D. Sylvester |
| Biologist | |
| Forest Protection. | E. A. Green |
| Lands and Parks | E. A. Green |
| Timber | H. R. Grinnell |

NURSERY

Kemptville H. H. de Vries

KENORA DISTRICT

OFFICE: 213-15 Main Street.
Telephone Homestead 8-9841.

District Forester G. F. Coyne

SUPERVISORS

| | |
|-----------------------------|--------------|
| Accounts | G. McChesney |
| Fish and Wildlife | P. Thompson |
| Forest Protection | B. T. Dunne |
| Lands | J. Wynd |
| Parks | H. V. Berg |
| Timber | D. J. Vance |
| Scaling | G. C. Mackey |

CHIEF RANGERS

| | |
|------------------|---------------|
| Kenora | J. Mackay |
| Minaki | J. L. Hamill |
| Dryden | H. R. Redding |

LAKE ERIE DISTRICT

OFFICE: Aylmer West. Telephone Aylmer 8.

District Forester J. K. Reynolds

SUPERVISORS

Accounts G. B. Fewings
Fish and Wildlife E. L. Skuce
Biologist
Parks K. A. Cameron
Timber C. J. Heeney

NURSERY

St. Williams A. A. Russell

PARKS

Rondeau R. McLaren
Pinery and Severn C. C. Myers
Ipperwash J. Matheson

LAKE HURON DISTRICT

OFFICE: R. R. No. 1, Hespeler,
Telephone Oliver 8-9356.

District Forester E. K. E. Dreyer

SUPERVISORS

Accounts H. Makcrow
Fish and Wildlife E. Meadows
Biologist R. E. Mason
Parks R. W. Jordan
Timber J. L. Mullen

LAKE SIMCOE DISTRICT

OFFICE: R. R. 2, Maple. Telephone Avenue 5-1171--218.

District Forester A. W. Leman

SUPERVISORS

| | |
|-----------------------------|-----------------|
| Accounts | J. Carswell |
| Fish and Wildlife | R. H. Trotter |
| Biologist | A. A. Wainio |
| Forest Protection. | W. A. Armstrong |
| Lands and Parks | A. Selwood |
| Timber | S. R. Hamilton |

NURSERIES

| | |
|--------------------|---------------|
| Angus | W. E. Edwards |
| Midhurst | J. Halpenny |

PARKS

| | |
|---------------------------|-------------|
| Sibbald's Point | D. R. Cutts |
|---------------------------|-------------|

LINDSAY DISTRICT

OFFICE: Ontario Government Building, Lindsay.
Telephone Fairview 4-6121.
(Direct line from Head Office)

District Forester A. E. Walroth

SUPERVISORS

| | |
|-----------------------------|----------------|
| Accounts | H. C. Wallwin |
| Fish and Wildlife | P. W. Swanson |
| Biologist | K. Irizawa |
| Forest Protection. | B. B. Benson |
| Lands | G. Simons |
| Parks | P. R. Davidson |
| Timber | E. F. Johnston |
| Scaling | R. A. Quirt |

CHIEF RANGERS

| | |
|---------------------|---------------|
| Minden | P. J. Cassidy |
| Gooderham | W. Sarginson |

PARKS

| | |
|----------------------|---------------|
| Presqu'ile | P. J. Kennedy |
|----------------------|---------------|

NURSERY

| | |
|-----------------|---------------|
| Orono | W. R. Bunting |
|-----------------|---------------|

NORTH BAY DISTRICT

OFFICE: 263a Main Street West.
Telephone Grover 2-9360.
(Direct line from Head Office)

District Forester W. B. M. Clarke
Assistant District Forester

SUPERVISORS

Accounts J. E. Rogers
Fish and Wildlife J. F. Gage
Biologist J. F. Gage
Forest Protection. F. M. Miller
Lands W. Turnbull
Parks A. D. Tremblay
Timber R. Lockhart
Scaling R. T. Fraser

CHIEF RANGERS

Temagami. A. W. O'Donnell
North Bay. L. L. Bronson

PARRY SOUND DISTRICT

OFFICE: 41 James Street. Telephone Riverside 6-2141.

District Forester M. A. Adamson
Assistant District Forester

SUPERVISORS

Accounts G. F. Walter
Fish and Wildlife J. A. Macfie
Biologist C. W. Douglas
Senior Conservation Officer C. W. Douglas
Forest Protection. D. Burns
Lands T. H. E. Croswell
Parks W. R. Peck
Timber W. A. Perrin
Scaling A. J. Tracy

CHIEF RANGERS

Parry Sound R. E. Simpson
Powassan W. J. Barber
Bracebridge

PEMBROKE DISTRICT

OFFICE: 162 Agnes Street. Telephone Regent 2-3661.

| | |
|---------------------------------------|---------------|
| District Forester | F. E. Sider |
| Assistant District Forester | D. A. Fawcett |

SUPERVISORS

| | |
|-----------------------------|-----------------|
| Accounts | G. Bragg |
| Fish and Wildlife | H. E. Deedo |
| Biologist | J. F. Gardner |
| Forest Protection | J. K. K. Legris |
| Lands | J. Orme |
| Parks | J. E. Collard |
| Timber | C. R. Groves |

CHIEF RANGERS

| | |
|-----------------------|-----------------|
| Pembroke | R. N. Cousineau |
| Whitney | H. W. Hanes |
| Stonecliffe | J. J. R. Tait |

PORT ARTHUR DISTRICT

OFFICE: Forestry Building, 14 Algoma St. North.
Telephone Diamond 5-6543.

| | |
|-----------------------------|---------------|
| District Forester | W. L. Sleeman |
|-----------------------------|---------------|

SUPERVISORS

| | |
|-----------------------------|------------------|
| Accounts | J. Chadwick |
| Fish and Wildlife | D. J. D'Agostini |
| Biologist | |
| Forest Protection | M. Sauerbrei |
| Lands | W. Jarvis |
| Parks | E. Diamond |
| Timber | |
| Scaling | J. W. E. Peden |

CHIEF RANGERS

| | |
|--------------------------|-------------|
| Port Arthur | W. Taylor |
| Black Sturgeon | J. A. Moore |
| Shebandowan | G. Murray |

NURSERY

| | |
|------------------------|----------------|
| Fort William | E. M. Cressman |
|------------------------|----------------|

SAULT STE. MARIE DISTRICT

OFFICE: Airdrome Building. Telephone Algoma 6-7461.

District Forester J. W. Lockwood

SUPERVISORS

Accounts J. C. Kindness
Fish and Wildlife N. D. Patrick
Biologist N. D. Patrick
Forest Protection. G. A. McCormack
Lands
Timber E. F. Anderson

CHIEF RANGERS

Blind River J. A. Huppe
Sault Ste. Marie C. Tregonning
Sand Lake. E. Montgomery

SIOUX LOOKOUT DISTRICT

OFFICE: 38 Front Street. Telephone 740.

District Forester W. G. Cleaveley
Assistant District Forester J. E. Barnes

SUPERVISORS

Accounts D. Munch
Fish and Wildlife C. E. Perrie
Biologist A. E. Armstrong
Forest Protection. E. W. Bouchey
Lands S. N. Johnson
Reforestation
Timber J. K. Gaughan
Scaling E. L. Sullivan

CHIEF RANGERS

Armstrong H. S. Anderson
Pickle Lake. G. M. Fenelon
Red Lake D. R. Williams
Sioux Lookout. F. J. Atkinson
Ignace. F. Nicoll

SUDBURY DISTRICT

OFFICE. 172 Elm St. West. Telephone Osbourne 5-8394.
(Direct line from Head Office)

District Forester G. A. Hamilton

SUPERVISORS

| | |
|-----------------------------|-----------------|
| Accounts | G. Jennings |
| Fish and Wildlife | C. Bibby |
| Biologist | G. I. Gillespie |
| Forest Protection. | G. Bulloch |
| Lands | A. S. Currie |
| Reforestation | A. W. Chalk |
| Timber | J. F. Flowers |
| Scaling | C. J. Munro |

CHIEF RANGERS

| | |
|--------------------|----------|
| Skead | V. Bragg |
| Espanola | E. Morin |
| Sudbury | W. Wetow |

SWASTIKA DISTRICT

OFFICE: Swastika. Telephone Kirkland Lake 3090.

District Forester J. D. Hughes

SUPERVISORS

| | |
|-----------------------------|----------------|
| Accounts | H. Michiel |
| Fish and Wildlife | D. Waldriff |
| Biologist | W. H. Charlton |
| Forest Protection. | G. Brown |
| Lands | J. McDougall |
| Parks | H. Mattson |
| Reforestation | D. A. Scott |
| Timber. | F. Janser |
| Scaling | F. Thib |

CHIEF RANGERS

| | |
|--------------------|--------------|
| Elk Lake | W. A. Adair |
| Matheson | V. L. Wilson |
| Swastika. | H. Stuart |

NURSERY

| | |
|--------------------------|---------------|
| Superintendent | A. H. Peacock |
|--------------------------|---------------|

TWEED DISTRICT

OFFICE: Municipal Building, Metcalfe Street. Telephone 361.

| | |
|---------------------------------------|--------------|
| District Forester | J. M. Taylor |
| Assistant District Forester | |

SUPERVISORS

| | |
|-----------------------------|-----------------|
| Accounts | W. H. Porch |
| Fish and Wildlife | H. S. Dornan |
| Biologist | R. E. Whitfield |
| Forest Protection. | McKinley Wilson |
| Lands | A. E. Beach |
| Parks | W. H. Cantelon |
| Timber | J. Keenan |
| Scaling | W. J. Everett |

CHIEF RANGERS

| | |
|-------------------|-----------------|
| Dacre | M. D. Mulvihill |
| Bancroft. | O. Goodman |
| Tweed | L. Fleguel |

WHITE RIVER DISTRICT

OFFICE: White River. Telephone 186.

| | |
|-----------------------------|-------------|
| District Forester | A. L. Dunne |
|-----------------------------|-------------|

SUPERVISORS

| | |
|-----------------------------|-----------------|
| Accounts | W. C. Johnstone |
| Fish and Wildlife | E. A. Pozzo |
| Forest Protection. | W. Kitt |
| Lands and Parks | J. Small |
| Reforestation | J. D. Griffiths |
| Timber | L. H. Eckel |
| Scaling | J. E. Rumney |

CHIEF RANGERS

| | |
|---------------------|--------------|
| Jamestown | C. Macdonald |
| Mobert | V. E. Niemi |

ONTARIO FOREST RANGER SCHOOL

Dorset. Telephone Roger 6-2242.

| | |
|--------------------|------------|
| Director. | Q. E. Hess |
| Accounts | J. Palmer |

INSTRUCTORS

E. Goodman
W. A. Morris
G. Pennock
W. P. Small
D. L. Lillow
J. E. Dickenson

NEW POLICIES

[illegible]

CORRECTIONS

[illegible]

RESEARCH BRANCH

The Forestry Act of 1927 gave formal recognition to the need for a research programme. A five-man Forestry Board, established under the Act, was composed of members of the Department, the University of Toronto and of forest industries. The recommendations of the Board led to the formation of a research group in the Forestry Branch of the Department in 1929. Five foresters were employed, two at Head Office and three in the field in the Districts of Sault Ste. Marie, Sudbury and North Bay. The depression of the 1930's and the reversal of government policy led to the dismissal of the group in 1935.

Research Branch (called Division until 1959) was established as part of a Department re-organization in 1941, but it was not until 1944 that a staff could be recruited and employed under a full-time Chief.

R. N. Johnston was appointed Chief on January 1st, 1944. He was appointed Director on October 1st, 1957.

Southern Research Station was established in 1944 near Maple where it provided a headquarters and laboratory space for the majority of the staff.

FORESTRY

Since 1944, field establishments for forest research have been set up in six of the seven Administrative Regions of the Province: at Port Arthur in the Mid-Western Region in 1947; Dorset, South-Central, 1950; Cochrane, Northern, 1951; Maple, South-Western, 1953; Tweed, South-Eastern, 1957; and at Sault Ste. Marie, Central, 1959. The Mid-Western Research Unit carries out some projects in the Western Region.

Forestry research units study the silvics of commercial tree species, and their reproduction and growth under various conditions, with the object of developing cultural practices which will ensure maximum production within economic limits.

A site research programme has been carried on since 1944 to provide a frame work for forest management by establishing ecological types-combinations of landform, soil, climate and forests. Eleven site regions have been established. Characteristic forest successions and production occur within every region.

The tree breeding programme, begun in 1946, has two main projects: the selection and propagation of superior strains of white pine resistant to blister rust and weevil; and fast-growing poplars of good form. More recently, smaller programmes have been started-two-needled pines in 1954, chestnuts in 1955, and white cedar in 1956.

RESEARCH BRANCH

Chief: R. N. JOHNSTON

Assistant Chief: A. P. LESLIE

Executive Officer: A. R. FENWICK

FISHERIES

K. H. LOFTUS

WILDLIFE

R. O. STANDFIELD

FORESTRY

D. H. BURTON

MECHANICS

M. H. BAKER

STATISTICS

T. W. DWIGHT

Forest mensuration studies are concerned with volume tables and tree growth. These studies were started in 1950, discontinued in 1956 and resumed in 1959.

In 1954, a research group was established to assist in the solution of forest nursery problems, of a technical nature, and of problems connected with the establishment and care of plantations.

SERVICE GROUPS

In 1944, a mechanical research and service section was organized to test, develop and improve equipment to meet the special needs of the Department.

In 1948, a start was made in the establishment of a small group for the development, investigation and analysis of statistical models and designs for research.

FISHERIES AND WILDLIFE

Research programmes in fisheries and wildlife were added in 1946 when the Department of Game and Fisheries was merged with the Department of Lands and Forests. Previously, such research had been limited to several wildlife projects in Provincial Parks.

Fisheries

In 1946, a fisheries research section was established to conduct studies directed towards an understanding of the causes of changes in the abundance of fish species from year to year, and towards the development of practical techniques for the Department's management staff. This work includes the development of improved hybrids and participation in sea lamprey control.

The Ontario Government had provided a laboratory on Lake Opeongo in Algonquin Provincial Park where the University of Toronto had carried out a fisheries research programme since 1937. The Department took over the laboratory in 1947 since when it has been used by both the Department and the University.

In 1947, fisheries experimental work was started at South Bay, Manitoulin Island. When completed in 1951, the Department's laboratory at South Baymouth became the headquarters for fisheries research on Lake Huron. Since then, field research has been extended to Lake Erie, Lake Ontario and Lake Superior. The Department's programme continues to emphasize Great Lakes fisheries research.

In 1948, provision was made for laboratory research work in freshwater biology by the construction of a laboratory of experimental limnology at Southern Research Station. Both the Department and the University of Toronto use the facilities under an agreement similar to that under which the Lake Opeongo laboratory is operated. Joint committees advice on research by the two organizations.

Commencing in 1953 with the employment of a physicist, a sizeable group had developed by the spring of 1959 to carry out a physical limnology programme on the Great Lakes. This group was disbanded by the Department in the summer of 1959, and the work was transferred to the University of Toronto.

Wildlife

In 1945, a wildlife research centre was established on a wilderness area in Algonquin Provincial Park.

In 1946, a wildlife section was established with headquarters at Southern Research Station to study factors determining the number and behaviour of mammals and birds, and the development of techniques for wildlife management. Ecological studies (on small animals and ruffed grouse) and deer censusing began.

Characteristically, the programme (as it has developed) has included investigations of big game (deer, moose and caribou), furbearing mammals (mainly beaver, marten and otter) and wolves. Other studies are concerned with diseases and parasites of birds, mammals and waterfowl.

In 1956, a programme was started to study the relationships between forests and wildlife-mainly forest damage caused by deer, rodents and hares.

NEW POLICIES

CORRECTIONS

[illegible]

TIMBER BRANCH

The first timber sales in Ontario were made in 1826. Before that date, the only persons authorized to cut timber on Crown lands were contractors for the Royal Navy. In 1827, the system of selling timber licences at public auction was established. This system, requiring a lump-sum bonus price in addition to Crown dues, remained largely unchanged until 1903. From that year until 1924, timber sales were made on a basis of bid over and above Crown dues. (The bid was quoted in terms of thousand-foot board measure or other unit of measure.) The prices tendered above Crown dues and upset price were considered as bid price. This remains, in general, the basis of present sales.

From 1826 to 1867, an area of 12,000 square miles came under timber licence, providing a bonus of \$100,000. From Confederation until 1902, when the last lump-sum bonus sale was made, an additional 12,000 square miles were placed under licence. The average bonus on these sales was \$2,000 per square mile.

In 1935, the management of timber resources came under the control of the District Forester in every District. Previously, management had been the responsibility of Crown Timber Agents who dealt directly with Head Office.

The Ontario Rule was adopted on April 1st, 1952, to replace the Doyle Rule which had been in use since 1879.

The largest cut of red and white pine was 192 million cubic feet, cut in the fiscal year, 1908-09.

ORGANIZATION

In 1941, the Divisions of Timber Management and Reforestation were established under J. F. Sharpe and E. J. Zavitz, respectively, as Chiefs.

J. A. Brodie was appointed Chief of Timber on December 1st, 1957, at which time Timber and Reforestation were established as Branches in the newly named Division. Silviculture was established as a Branch in 1958. The Division was termed Branch and the Branches, Sections, in 1959.

TIMBER BRANCH

Chief: J. A. BRODIE

Assistant Chief: M. B. MORISON

REFORESTATION SECTION

Supervisor: R. W. Hummel

**Tree Production and Distribution
Soil Amendment Programmes
Extension Forestry**

SILVICULTURE SECTION

Supervisor: A. J. Herridge

**Forest Inventory
Management Planning
Silviculture Operations**

TIMBER SECTION

Supervisor: L. Ringham

**Sales, Licensing
Stumpage Appraisal
Scaling**

Office Management

Special Projects

FOREST RESOURCES INVENTORY

A survey of the exploitable forest resources of Ontario was begun in 1946 and completed in 1957 with the making of approximately 203,500 prints from aerial photographs covering 284,906 square miles.

In this continuous inventory, approximately 112,000 square miles were rephotographed by the end of 1962.

REFORESTATION SECTION

The steady development of the reforestation programme across five decades was largely due to the efforts of Dr. E. J. Zavitz who started the first forest tree nursery for the government at Ontario Agricultural College in Guelph in 1905.

The nursery was moved to St. Williams (the first Forest Station) in 1908 and supervised by Dr. Zavitz for the Department of Agriculture until 1912 when it was handed over to the new Forestry Branch established within the Department of Lands and Forests.

Dr. Zavitz transferred at the same time to assume control of the new Branch. He became Provincial Forester in 1917 and Deputy Minister for Forestry Branch in 1926. He acted as Chief of Reforestation Division from 1941 until his retirement in 1957.

The main purpose of Reforestation Section is the planting of trees on Crown lands and managed forests where natural regeneration is not successful.

The Section also provides trees and technical advice to private landowners to encourage the growth and sound management of woodlots.

VOLUME OF WOOD CUT BY SPECIES — 000's cubic feet in years ending March 31st

| SPECIES | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 |
|------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| SOFTWOODS | | | | | | | | | | |
| Balsam..... | 15,146 | 11,563 | 15,003 | 13,802 | 9,418 | 12,547 | 16,057 | 11,860 | 13,223 | 14,093 |
| Cedar..... | 77 | 139 | 180 | 126 | 127 | 96 | 234 | 197 | 97 | 738 |
| Hemlock..... | 5,462 | 5,731 | 5,272 | 6,299 | 5,753 | 6,679 | 8,933 | 5,808 | 4,368 | 3,872 |
| Jack Pine..... | 62,712 | 78,964 | 85,545 | 81,862 | 58,175 | 85,604 | 108,859 | 81,644 | 75,488 | 81,779 |
| R and W Pine.. | 30,550 | 25,614 | 26,315 | 30,459 | 25,586 | 30,605 | 34,334 | 34,562 | 27,612 | 30,528 |
| Spruce..... | 193,286 | 188,645 | 208,678 | 174,652 | 134,310 | 207,318 | 251,831 | 155,873 | 163,447 | 175,666 |
| Tamarack..... | 7 | 4 | 7 | 16 | 10 | 7 | 10 | 12 | 16 | 25 |
| Fuelwood..... | 944 | 1,185 | 1,951 | 1,546 | 719 | 673 | 4,677 | 3,396 | 2,354 | 3,001 |
| Others..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 22 |
| HARDWOODS | | | | | | | | | | |
| Birch..... | 3,214 | 4,092 | 4,764 | 5,541 | 6,303 | 6,679 | 7,892 | 8,623 | 8,589 | 7,506 |
| Maple..... | 1,527 | 1,797 | 2,053 | 2,499 | 1,976 | 2,361 | 3,592 | 3,043 | 2,207 | 2,265 |
| Poplar..... | 6,087 | 14,190 | 11,576 | 13,653 | 6,036 | 12,478 | 22,049 | 14,272 | 15,756 | 12,955 |
| Fuelwood..... | 836 | 1,020 | 1,652 | 1,054 | 1,166 | 568 | 1,530 | 1,577 | 1,293 | 1,802 |
| Others..... | 964 | 580 | 1,755 | 1,061 | 1,148 | 1,145 | 1,335 | 968 | 691 | 552 |
| TOTALS | | | | | | | | | | |
| Softwoods..... | 308,184 | 311,845 | 342,951 | 308,761 | 234,098 | 343,530 | 424,936 | 293,352 | 286,605 | 309,724 |
| Hardwoods..... | 12,628 | 21,679 | 21,780 | 23,807 | 16,628 | 23,231 | 36,398 | 28,483 | 28,536 | 25,081 |
| All Species... | 320,812 | 333,524 | 364,751 | 332,568 | 250,727 | 366,761 | 461,334 | 321,835 | 315,141 | 334,806 |
| Total Value... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 10,428 | 10,756 | 11,473 |
| (\$000's export levy not included) | | | | | | | | | | |

VOLUME OF WOOD CUT BY SPECIES — 000's cubic feet in years ending March 31st

| SPECIES | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 |
|-------------------------------------|---------|---------|---------|---------|---------|---------|
| SOFTWOODS | | | | | | |
| Balsam..... | 14,374 | 13,766 | 12,213 | 10,988 | 13,051 | 4,766 |
| Cedar..... | 459 | 284 | 711 | 280 | 268 | 331 |
| Hemlock..... | 5,321 | 5,050 | 2,567 | 3,046 | 3,768 | 2,780 |
| Jack Pine..... | 86,664 | 99,997 | 78,225 | 68,415 | 78,243 | 76,857 |
| Red Pine..... | 8,070 | 6,150 | 4,989 | 3,581 | 6,188 | 5,037 |
| White Pine..... | 25,609 | 26,171 | 20,249 | 18,025 | 22,300 | 19,150 |
| Spruce..... | 205,320 | 207,392 | 180,006 | 157,544 | 186,920 | 191,047 |
| Tamarack..... | 102 | 56 | 64 | 25 | 26 | 75 |
| Xmas Trees..... | 32 | 22 | 8 | 11 | 3 | 1 |
| Fuelwood..... | 2,401 | 2,536 | 2,359 | 2,338 | 1,525 | 1,476 |
| HARDWOODS | | | | | | |
| Ash..... | 42 | 46 | 72 | 63 | 83 | 109 |
| Basswood..... | 434 | 295 | 274 | 319 | 365 | 469 |
| Beech..... | 138 | 160 | 136 | 131 | 273 | 385 |
| White Birch... | 447 | 1,314 | 1,458 | 1,339 | 1,426 | 1,784 |
| Yellow Birch... | 6,990 | 6,312 | 7,173 | 6,165 | 7,397 | 6,972 |
| Butternut..... | ... | † | † | † | 1 | 2 |
| Cherry..... | 14 | 18 | 12 | 15 | 27 | 26 |
| Elm..... | 194 | 160 | 192 | 196 | 256 | 261 |
| Maple..... | 4,441 | 3,989 | 4,261 | 3,639 | 4,851 | 5,787 |
| Oak..... | 103 | 109 | 133 | 127 | 177 | 239 |
| Poplar..... | 16,921 | 19,244 | 20,205 | 17,729 | 19,773 | 18,356 |
| Fuelwood..... | 1,813 | 1,982 | 1,532 | 1,630 | 1,219 | 1,202 |
| TOTALS | | | | | | |
| Softwoods..... | 348,352 | 361,424 | 301,390 | 264,253 | 312,292 | 311,519 |
| Hardwoods..... | 31,536 | 33,630 | 35,448 | 31,355 | 35,847 | 35,593 |
| All Species... | 379,888 | 395,054 | 336,838 | 295,608 | 348,140 | 347,112 |
| Total Value... | 12,039 | 13,363 | 11,412 | 10,155 | 11,824 | 12,048 |
| (\$000's, export levy not included) | | | | | | |

TIMBER CUT IN DISTRICTS in 000's cubic feet and \$000's in year ending March 31st, 1961

| DISTRICT | Permits Issued | Ontario Scale | Sawlogs | *Boom Timber | Pulp-wood | Fuel Wood | (d) Misc. | Total Volume | †Xmas Trees | Dues | Bonus | Stumpage Value |
|------------------|----------------|---------------|---------|--------------|-----------|-----------|-----------|--------------|-------------|--------|-------|----------------|
| Chapleau..... | 125 | 1,713 | 7,550 | 60 | 10,322 | 146 | ... | 19,791 | ... | \$ 502 | \$ 69 | \$ 571 |
| Cochrane..... | 517 | 1,584 | 562 | 75 | 28,098 | 297 | 175 | 30,791 | 225 | 917 | 192 | 1,109 |
| Fort Frances.... | 243 | 1,360 | 40 | 35 | 12,868 | 42 | 32 | 14,377 | 590 | 340 | 66 | 406 |
| Geraldton..... | 211 | 2 | 9,755 | 218 | 50,862 | 171 | 257 | 61,265 | 500 | 1,703 | 151 | 1,855 |
| Gogama..... | 61 | 4,060 | 2,355 | 29 | 5,200 | 44 | 339 | 12,027 | ... | 306 | 58 | 364 |
| Kapuskasing..... | 930 | 22 | 16,830 | 349 | 26,127 | 312 | 8 | 43,648 | ... | 1,374 | 327 | 1,701 |
| Kemptville..... | ... | 2 | ... | ... | 65 | ... | ... | 67 | ... | ... | 13 | 13 |
| Kenora..... | 335 | 73 | 635 | 82 | 24,008 | 29 | 109 | 24,936 | 40 | 736 | 111 | 847 |
| Lindsay..... | 50 | 2,412 | ... | 3 | 295 | 28 | 3 | 2,741 | ... | 59 | 49 | 108 |
| Maple..... | 19 | 3 | ... | ... | ... | 4 | ... | 7 | ... | ... | ... | 1/3 |
| North Bay..... | 484 | 10,730 | 36 | 82 | 2,719 | 146 | 59 | 13,772 | ... | 312 | 329 | 641 |
| Parry Sound..... | 327 | 4,236 | ... | 13 | 617 | 243 | 7 | 5,116 | ... | 112 | 136 | 248 |
| Pembroke..... | 56 | 7,342 | ... | 643 | 1,130 | 32 | ... | 9,147 | 129 | 224 | 225 | 449 |
| Port Arthur..... | 369 | 186 | 6,752 | 715 | 28,062 | 24 | ... | 35,739 | 417 | 1,033 | 197 | 1,230 |
| Sault Ste. Marie | 124 | 10,680 | 2 | 73 | 1,450 | 45 | 7 | 12,257 | ... | 316 | 291 | 607 |
| Sioux Lookout... | 192 | 1,429 | 931 | 255 | 19,211 | 545 | 5 | 22,376 | ... | 620 | 57 | 677 |
| Sudbury..... | 400 | 1,280 | 1,750 | 19 | 3,683 | 258 | 16 | 7,006 | ... | 167 | 64 | 230 |
| Swastika..... | 426 | 4,821 | 3,148 | 40 | 5,084 | 276 | 52 | 13,421 | ... | 315 | 176 | 491 |
| Tweed..... | 194 | 3,585 | 2 | 25 | 1,477 | 16 | 11 | 5,116 | 125 | 86 | 100 | 186 |
| White River..... | 51 | ... | 1,956 | 3 | 11,464 | 18 | 69 | 13,510 | ... | 385 | 63 | 448 |

(d)Includes Doyle Scale.

† Number of trees.

*Includes piling, poles, dimension timber.

TIMBER CUT IN ONTARIO in 000's Cubic Feet and \$ 000's in years ending March 31st

| Year | Permits Issued | Ontario Scale | Sawlogs | *Boom Timber | Pulpwood | Fuel Wood | (d) Misc. | Total Volume | †Xmas Trees | Dues | Bonus | Stumpage Value |
|------|----------------|---------------|---------|--------------|----------|-----------|-----------|--------------|-------------|---------|---------|----------------|
| 1954 | ..... | 46,025 | 12,119 | 851 | 225,659 | 3,647 | 26,840 | 315,141 | 27 | \$8,581 | \$2,175 | \$10,756 |
| 1955 | ..... | 61,493 | 12,029 | 2,378 | 245,988 | 4,804 | 8,114 | 334,806 | 43 | 9,135 | 2,523 | 11,658 |
| 1956 | 5,403 | 77,087 | 33,326 | 2,259 | 262,146 | 4,214 | 826 | 379,888 | 64 | 9,619 | 2,573 | 12,191 |
| 1957 | 5,192 | 73,986 | 22,967 | 2,781 | 289,985 | 4,517 | 858 | 395,054 | 45 | 10,740 | 2,774 | 13,514 |
| 1958 | 5,051 | 55,938 | 27,762 | 2,796 | 245,161 | 3,891 | 1,290 | 336,838 | 16 | 8,987 | 2,578 | 11,565 |
| 1959 | 5,421 | 51,470 | 28,687 | 2,644 | 207,003 | 3,968 | 1,836 | 295,608 | 23 | 7,950 | 2,346 | 10,297 |
| 1960 | 5,096 | 64,571 | 28,795 | 3,499 | 246,493 | 2,744 | 2,038 | 348,140 | 6 | 9,493 | 2,789 | 12,282 |
| 1961 | 5,114 | 55,521 | 52,303 | 2,720 | 232,744 | 2,678 | 1,146 | 347,112 | 2 | 9,509 | 2,674 | 12,182 |

*Includes piling, poles, dimension timber.

†Number of trees in 000's.

(d)Includes Doyle Scale.

LICENSED AREAS, 1947-1954

| Year | Number of Licences | Timber Licences Area | Pulpwood and Timber Agreements | Area Licensed (sq. mi.) |
|-----------|-----------------------|----------------------------|--------------------------------------|-------------------------------|
| 1947..... | 906 | 11,710 | 56,745 | 68,455 |
| 1948..... | 945 | 12,095 | 66,254 | 78,349 |
| 1949..... | 906 | 11,975 | 66,980 | 78,955 |
| 1950..... | 849 | 11,913 | 69,860 | 81,773 |
| 1951..... | 811 | 10,810 | 74,257 | 85,067 |
| 1952..... | 815 | 10,892 | 83,316 | 94,208 |
| 1953..... | 793 | 10,802 | 87,007 | 97,809 |
| 1954..... | 763 | 11,292 | 87,007 | 98,299 |

TIMBER LICENCES as of March 31st (Areas in square miles)

| Year | Number of Licences | Area Under Section 2 | Area Under Section 3 | Area Under Section 4 | Total Area Licensed |
|------|-----------------------|----------------------------|----------------------------|----------------------------|---------------------------|
| 1955 | 731 | 6,435.50 | 85,075.40 | 21.10 | 91,532.00 |
| 1956 | 748 | 6,140.05 | 88,273.71 | 170.26 | 94,585.02 |
| 1957 | 604 | 5,600.65 | 89,952.49 | 200.94 | 95,754.08 |
| 1958 | 586 | 5,354.80 | 98,149.46 | 181.33 | 103,685.59 |
| 1959 | 569 | 4,520.62 | 99,612.16 | 199.90 | 104,332.68 |
| 1960 | 573 | 4,206.22 | 99,818.60 | 186.98 | 104,211.80 |
| 1961 | 569 | 3,647.71 | 99,103.39 | 137.79 | 102,888.89 |
| 1962 | 569 | 3,563.07 | 99,347.87 | 154.26 | 103,065.20 |

MILLS LICENSED 1947-1954

| Year | Sawmills Under 5M Feet | Sawmills 5M To 30M Feet | Sawmills Over 30M Feet | Pulp Mills And/Or Paper Mills |
|-----------|------------------------------|-------------------------------|------------------------------|-------------------------------------|
| 1947..... | 506 | 655 | 42 | 35 |
| 1948..... | 544 | 661 | 49 | 35 |
| 1949..... | 562 | 681 | 40 | 35 |
| 1950..... | 597 | 713 | 43 | 35 |
| 1951..... | 667 | 682 | 53 | 35 |
| 1952..... | 640 | 676 | 58 | 35 |
| 1953..... | 624 | 681 | 58 | 31 |
| 1954..... | 631 | 642 | 56 | 29 |

MILLS LICENSED as of March 31st

| Year | *Saw to 10 | *Saw 10-50 | *Saw 50 up | Pulp | Ven- eer | Spec- ialty | Total |
|------|---------------|---------------|---------------|------|-------------|----------------|-------|
| 1955 | | | | | .. | .. | |
| 1956 | | | | | .. | .. | |
| 1957 | | | | | .. | .. | |
| 1958 | | | | | .. | .. | |
| 1959 | | | | | .. | .. | |
| 1960 | | | | | .. | .. | |
| 1961 | | | | | .. | .. | |
| 1962 | 797 | 118 | 36 | 24 | 23 | 87 | 1,085 |

*Saw mills by daily capacity in 000's fbm

MANAGEMENT UNITS as of March 31st

| Year | COMPANY | | CROWN | | TOTAL | |
|------|---------|---------|-------|---------|-------|---------|
| | No. | Sq. Mi. | No. | Sq. Mi. | No. | Sq. Mi. |
| 1954 | 36 | ..... | 87 | ..... | 123 | ..... |
| 1955 | 36 | ..... | 81 | ..... | 117 | ..... |
| 1956 | 39 | 78,382 | 82 | ..... | 121 | ..... |
| 1957 | 41 | 78,837 | 80 | 129,551 | 121 | 208,388 |
| 1958 | 43 | 85,034 | 81 | 125,397 | 124 | 210,431 |
| 1959 | 48 | 89,754 | 77 | 120,165 | 125 | 210,919 |
| 1960 | 101 | 100,408 | 72 | 83,294 | 173 | 183,702 |
| 1961 | 79 | 96,983 | 76 | 83,900 | 155 | 180,883 |
| 1962 | 79 | 99,987 | 78 | 84,108 | 157 | 184,095 |

STAND IMPROVEMENT - Acreage treated in years ending March 31st

| OPERATIONS | 1957 | 1958 | 1959 | 1960 | 1961 | 1962 |
|-------------------------------------|--------|--------|--------|--------|--------|--------|
| Scarification..... | 8,709 | 6,704 | 9,000 | 8,824 | 4,247 | 1,035 |
| Clearing..... | ..... | ..... | ..... | ..... | 238 | 236 |
| Cone Scattering and Seeding..... | ..... | ..... | ..... | ..... | ..... | 2,263 |
| Cleaning..... | 3,254 | 6,980 | 2,507 | 1,745 | 4,970 | 11,817 |
| Brush Control..... | 1,038 | 4,057 | 8,562 | 179 | 39 | 3,906 |
| Thinning..... | 785 | 2,225 | 550 | 225 | 1,158 | 583 |
| Pruning..... | ..... | ..... | ..... | 76 | 4,080 | 4,870 |
| Xmas Tree Culture.. | ..... | ..... | ..... | ..... | 706 | 509 |
| Improvement Cutting | 1,776 | 1,510 | ..... | ..... | 2,525 | 2,810 |
| Girdling* | ..... | ..... | ..... | 772 | 2,464 | ..... |
| Frilling, Poisoning | ..... | ..... | ..... | ..... | 448 | 2,754 |
| Tree Marking..... | 2,630 | ..... | ..... | ..... | 3,328 | ..... |
| Harvest Cutting.... | ..... | ..... | ..... | 406 | 425 | 1,498 |
| TOTAL..... | 18,192 | 21,476 | 20,619 | 12,227 | 24,628 | 32,281 |

*Girdling included under Poisoning and Improvement Cutting.

REFORESTATION ESTABLISHMENTS

As at March 31st, 1962

| SEED PLANTS | YEAR ESTABLISHED |
|-------------|---------------------|
|-------------|---------------------|

| | |
|--------------------|------|
| Angus | 1923 |
| St. Williams | 1908 |

NURSERIES

| | |
|------------------------|------|
| Chapleau | 1956 |
| Dryden | 1958 |
| Englehart | 1955 |
| Fort William | 1946 |
| Gogama | 1956 |
| Kemptville | 1946 |
| Midhurst | 1922 |
| North Bay | 1954 |
| Orono | 1922 |
| Sault Ste. Marie | 1956 |
| St. Williams | 1908 |
| Swastika | 1958 |
| White River | 1956 |

DEMONSTRATION FORESTS

| | |
|--------------------------------------|------|
| Angus | 1923 |
| Bloomfield (Sand Banks Forest) | 1920 |
| Elizabethville (Prouse Forest) | 1946 |
| Fort William | 1946 |
| Kemptville | 1946 |
| Midhurst | 1922 |
| Orono | 1922 |
| St. Thomas (McKay Forest) | 1940 |
| St. Williams | 1908 |
| Speyside | 1942 |

* DISPOSITION OF NURSERY STOCK

| | |
|--|---------------------|
| Planted on Crown Lands | 26, 602, 720 |
| Planted in Forests Managed by the Minister | 5, 063, 860 |
| Supplied to Owners of Private Lands | 11, 505, 775 |
| Education and Scientific Purposes | 12, 208 |
| Miscellany, Departmental Exhibits, etc. | 7, 200 |
| Stored at Planting Sites, etc. | 3, 100 |
| TOTAL | 43, 194, 863 |

* In year ended March 31st, 1962.

FOREST TREE PRODUCTION BY DEPARTMENT NURSERIES

| PERIOD | NO. OF TREES |
|----------------|-----------------|
| 1905-1912..... | 1,480,539 |
| 1913-1925..... | 13,096,866 |
| 1925-1926..... | 4,433,409 |
| 1926-1927..... | 7,104,319 |
| 1927-1928..... | 11,138,985 |
| 1928-1929..... | 12,789,568 |
| 1929-1930..... | 11,175,894 |
| 1930-1931..... | 11,846,920 |
| 1931-1932..... | 10,303,569 |
| 1932-1933..... | 9,422,463 |
| 1933-1934..... | 9,760,730 |
| 1934-1935..... | 10,663,155 |
| 1935-1936..... | 10,109,772 |
| 1936-1937..... | 11,261,644 |
| 1937-1938..... | 12,339,993 |
| 1938-1939..... | 16,921,906 |
| 1938-1940..... | 17,266,697 |
| 1940-1941..... | 13,511,299 |
| 1941-1942..... | 11,303,187 |
| 1942-1943..... | 10,522,517 |
| 1943-1944..... | 10,999,379 |
| 1944-1945..... | 11,280,981 |
| 1945-1946..... | 13,175,575 |
| 1946-1947..... | 12,269,533 |
| 1947-1948..... | 13,049,776 |
| 1948-1949..... | 17,700,970 |
| 1949-1950..... | 19,027,807 |
| 1951-1952..... | 20,749,268 |
| 1952-1953..... | 24,241,754 |
| 1953-1954..... | 23,448,860 |
| 1954-1955..... | 25,519,383 |
| 1955-1956..... | 28,351,483 |
| 1956-1957..... | 31,081,112 |
| 1957-1958..... | 25,854,262 |
| 1958-1959..... | 33,414,110 |
| 1959-1960..... | 41,682,125 |
| 1960-1961..... | 49,833,412 |
| 1961-1962..... | 43,194,863 |
| TOTAL..... | 661,328,485 |

TREES PLANTED ON CROWN LANDS in years ending March 31st

| DISTRICT | 1957 | 1958 | 1959 | 1960 | 1961 | 1962 | 1953-62 |
|--------------------|------------|-----------|------------|------------|------------|------------|-------------|
| Aylmer..... | 69,123 | 188,177 | 828,616 | 70,598 | 97,633 | 104,458 | 1,614,400 |
| Chapleau..... | 1,004,100 | 789,600 | 1,751,000 | 3,037,004 | 3,568,850 | 2,691,500 | 13,642,494 |
| Cochrane..... | 791,800 | 525,118 | 1,028,400 | 1,176,842 | 2,077,248 | 1,547,250 | 8,267,220 |
| Fort Frances..... | 535,000 | 629,800 | 675,715 | 555,939 | 993,000 | 418,946 | 3,977,200 |
| Geraldton..... | 224,600 | 363,180 | 623,015 | 1,112,500 | 1,816,450 | 1,144,650 | 5,454,620 |
| Gogama..... | 330,231 | 400,000 | 1,000,250 | 2,875,000 | 3,283,400 | 3,695,525 | 8,714,472 |
| Hespeler..... | 64,912 | 40,210 | 19,460 | 7,015 | 53,950 | 15,025 | 301,085 |
| Kapuskasing..... | 526,425 | 461,100 | 884,100 | 1,237,600 | 1,308,759 | 1,214,400 | 6,182,284 |
| Kemptville..... | 168,088 | 12,192 | 54,505 | 104,967 | 170,077 | 114,406 | 819,383 |
| Kenora..... | 252,200 | 243,600 | 383,760 | 453,800 | 518,612 | 479,206 | 2,553,128 |
| Lindsay..... | 929,760 | 709,165 | 500,000 | 694,397 | 829,392 | 606,987 | 5,375,360 |
| Maple..... | 311,817 | 205,713 | 510,813 | 468,273 | 504,163 | 580,445 | 4,001,661 |
| North Bay..... | 189,900 | 196,025 | 322,077 | 703,111 | 1,051,694 | 828,806 | 3,953,628 |
| Parry Sound..... | 1,188,600 | 672,984 | 918,200 | 908,050 | 1,142,080 | 599,111 | 8,700,549 |
| Pembroke..... | 1,239,300 | 598,965 | 991,948 | 771,835 | 1,139,875 | 1,260,236 | 8,554,084 |
| Port Arthur..... | 783,799 | 1,036,628 | 796,700 | 953,600 | 1,960,575 | 1,702,275 | 8,073,499 |
| Sault Ste. Marie.. | 1,474,375 | 854,840 | 1,747,117 | 2,760,000 | 3,534,145 | 3,682,390 | 16,865,964 |
| Sioux Lookout..... | 104,000 | 120,000 | 150,000 | 225,796 | 300,000 | 211,700 | 1,200,196 |
| Sudbury..... | 384,050 | 305,217 | 533,415 | 1,643,147 | 2,374,314 | 1,840,889 | 7,515,711 |
| Swastika..... | 803,050 | 747,105 | 991,110 | 1,402,721 | 1,925,343 | 2,124,903 | 8,843,552 |
| Tweed..... | 938,195 | 486,924 | 882,000 | 1,075,653 | 1,268,600 | 938,010 | 6,854,796 |
| White River..... | 73,450 | 209,625 | 455,000 | 1,130,000 | 1,575,125 | 699,050 | 4,206,785 |
| Toronto..... | ..... | 5,863 | 23,997 | ..... | ..... | ..... | ..... |
| Ranger School..... | 13,000 | 10,100 | 9,500 | 23,000 | ..... | ..... | ..... |
| Unclassified..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| TOTAL..... | 12,499,755 | 9,812,131 | 16,080,698 | 23,448,118 | 31,564,608 | 26,602,720 | 138,999,456 |
| Acres Planted..... | ..... | ..... | ..... | 43,137 | 54,875 | ..... | ..... |

TREES PLANTED ON FORESTS MANAGED BY THE MINISTER in years ending March 31st

| CONSERVATION AUTHORITY | 1957 | 1958 | 1959 | 1960 | 1961 | 1962 | 1953-62 |
|-------------------------------------|-----------|---------|-----------|-----------|-----------|-----------|------------|
| Ausable River..... | 100,675 | 159,900 | 93,000 | 284,200 | 254,360 | 270,500 | 1,409,885 |
| Big Creek Region.. | 66,000 | 20,600 | 14,000 | 25,800 | 22,600 | 23,500 | 240,975 |
| Ganaraska River... | 165,600 | 209,000 | 190,250 | 257,950 | 376,500 | 273,500 | 2,530,780 |
| Grand Valley..... | 221,000 | 193,050 | 388,600 | 230,950 | 502,250 | 392,400 | 2,111,750 |
| Toronto & Region.. | 128,800 | 44,700 | 73,000 | 22,000 | 139,750 | 120,300 | 929,025 |
| Middle Maitland... | 13,925 | 37,800 | 14,000 | 20,000 | 62,500 | 13,000 | 173,005 |
| Moirs River..... | 74,000 | 99,400 | 100,000 | 96,200 | 175,200 | 242,500 | 798,745 |
| Napanee Valley..... | ..... | ..... | ..... | ..... | ..... | ..... | 20,000 |
| Neebing Valley.... | ..... | ..... | 1,500 | 11,500 | 60,000 | 80,000 | 153,000 |
| North Grey Region. | ..... | ..... | 75,000 | 94,800 | 169,000 | 214,700 | 553,500 |
| Otter Creek..... | ..... | ..... | ..... | 3,200 | 13,000 | 6,000 | 22,200 |
| Sauble Valley..... | ..... | ..... | ..... | ..... | 94,000 | 9,000 | 103,000 |
| Saugeen Valley.... | 198,950 | 100,000 | 287,600 | 200,300 | 137,500 | 423,600 | 1,720,750 |
| South Nation River | ..... | ..... | ..... | ..... | ..... | 125,000 | 125,000 |
| Upper Thames River | 159,350 | 56,000 | 71,850 | 21,600 | 20,600 | 70,100 | 681,650 |
| SUB-TOTAL..... | 1,128,300 | 920,450 | 1,308,800 | 1,268,500 | 2,027,260 | 2,263,900 | 11,772,865 |
| TOWNSHIP | | | | | | | |
| Bonfield..... | ..... | ..... | ..... | ..... | ..... | ..... | 62,500 |
| Chapple..... | ..... | ..... | 10,175 | 41,200 | ..... | ..... | 51,375 |
| Charlottenburgh... | 10,250 | ..... | ..... | ..... | 25,000 | ..... | 35,250 |
| Cumberland..... | 25,000 | 25,000 | ..... | ..... | ..... | ..... | 129,000 |
| Emo..... | ..... | ..... | 9,725 | ..... | ..... | ..... | 9,725 |
| Galway, Cavendish. | ..... | ..... | ..... | 18,775 | 12,025 | ..... | 95,775 |
| Marlborough..... | 88,950 | 58,900 | ..... | 27,000 | 4,475 | 17,000 | 311,275 |
| Torbolton..... | 60,375 | 32,000 | 10,000 | 50,500 | ..... | 50,500 | 532,125 |
| SUB-TOTAL..... | 184,575 | 115,900 | 29,900 | 137,475 | 41,500 | 67,500 | 1,239,050 |
| National Capital Commission..... | ..... | ..... | ..... | ..... | ..... | 150,000 | 150,000 |

| COUNTY | 1910 | 1911 | 1912 | 1913 | 1914 | 1915 | 1916 | 1917 | 1918 | 1919 | 1920 | 1921 | 1922 | 1923 | 1924 | 1925 | 1926 | 1927 | 1928 | 1929 | 1930 | 1931 | 1932 | 1933 | 1934 | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | 1941 | 1942 | 1943 | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 | 2100 | 2101 | 2102 | 2103 | 2104 | 2105 | 2106 | 2107 | 2108 | 2109 | 2110 | 2111 | 2112 | 2113 | 2114 | 2115 | 2116 | 2117 | 2118 | 2119 | 2120 | 2121 | 2122 | 2123 | 2124 | 2125 | 2126 | 2127 | 2128 | 2129 | 2130 | 2131 | 2132 | 2133 | 2134 | 2135 | 2136 | 2137 | 2138 | 2139 | 2140 | 2141 | 2142 | 2143 | 2144 | 2145 | 2146 | 2147 | 2148 | 2149 | 2150 | 2151 | 2152 | 2153 | 2154 | 2155 | 2156 | 2157 | 2158 | 2159 | 2160 | 2161 | 2162 | 2163 | 2164 | 2165 | 2166 | 2167 | 2168 | 2169 | 2170 | 2171 | 2172 | 2173 | 2174 | 2175 | 2176 | 2177 | 2178 | 2179 | 2180 | 2181 | 2182 | 2183 | 2184 | 2185 | 2186 | 2187 | 2188 | 2189 | 2190 | 2191 | 2192 | 2193 | 2194 | 2195 | 2196 | 2197 | 2198 | 2199 | 2200 | 2201 | 2202 | 2203 | 2204 | 2205 | 2206 | 2207 | 2208 | 2209 | 2210 | 2211 | 2212 | 2213 | 2214 | 2215 | 2216 | 2217 | 2218 | 2219 | 2220 | 2221 | 2222 | 2223 | 2224 | 2225 | 2226 | 2227 | 2228 | 2229 | 2230 | 2231 | 2232 | 2233 | 2234 | 2235 | 2236 | 2237 | 2238 | 2239 | 2240 | 2241 | 2242 | 2243 | 2244 | 2245 | 2246 | 2247 | 2248 | 2249 | 2250 | 2251 | 2252 | 2253 | 2254 | 2255 | 2256 | 2257 | 2258 | 2259 | 2260 | 2261 | 2262 | 2263 | 2264 | 2265 | 2266 | 2267 | 2268 | 2269 | 2270 | 2271 | 2272 | 2273 | 2274 | 2275 | 2276 | 2277 | 2278 | 2279 | 2280 | 2281 | 2282 | 2283 | 2284 | 2285 | 2286 | 2287 | 2288 | 2289 | 2290 | 2291 | 2292 | 2293 | 2294 | 2295 | 2296 | 2297 | 2298 | 2299 | 2300 | 2301 | 2302 | 2303 | 2304 | 2305 | 2306 | 2307 | 2308 | 2309 | 2310 | 2311 | 2312 | 2313 | 2314 | 2315 | 2316 | 2317 | 2318 | 2319 | 2320 | 2321 | 2322 | 2323 | 2324 | 2325 | 2326 | 2327 | 2328 | 2329 | 2330 | 2331 | 2332 | 2333 | 2334 | 2335 | 2336 | 2337 | 2338 | 2339 | 2340 | 2341 | 2342 | 2343 | 2344 | 2345 | 2346 | 2347 | 2348 | 2349 | 2350 | 2351 | 2352 | 2353 | 2354 | 2355 | 2356 | 2357 | 2358 | 2359 | 2360 | 2361 | 2362 |
|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|

TREES SUPPLIED FOR PLANTING ON PRIVATE LANDS in years ending March 31st

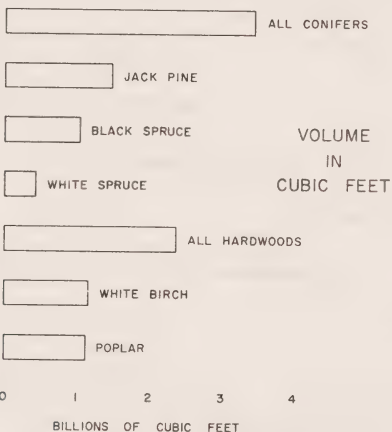
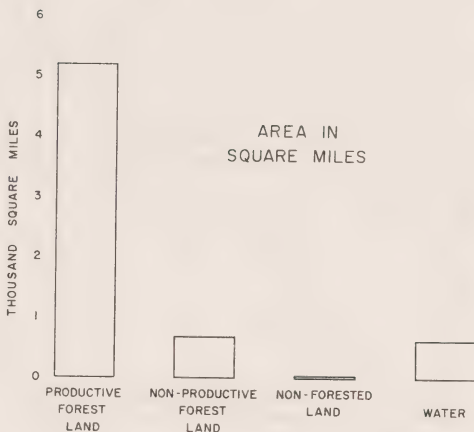
| COUNTY OR DISTRICT | 1957 | 1958 | 1959 | 1960 | 1961 | 1962 | 1953-62 |
|--------------------|-----------|-----------|---------|---------|---------|---------|-----------|
| Algoma..... | 239,350 | 316,525 | 387,525 | 426,425 | 281,950 | 221,525 | 2,574,550 |
| Brant..... | 243,950 | 105,775 | 120,350 | 161,450 | 140,425 | 130,050 | 1,415,625 |
| Bruce..... | 121,625 | 162,100 | 165,675 | 143,050 | 156,400 | 148,575 | 1,476,640 |
| Carleton..... | 106,425 | 157,175 | 180,500 | 148,275 | 145,125 | 290,925 | 1,415,650 |
| Cochrane..... | 11,600 | 8,200 | 8,200 | 17,800 | 54,550 | 59,350 | 190,050 |
| Dufferin..... | 1,191,975 | 594,375 | 784,725 | 471,000 | 877,600 | 425,725 | 6,237,750 |
| Dundas..... | 36,800 | 43,225 | 24,050 | 52,925 | 86,425 | 58,875 | 426,425 |
| Durham..... | 1,294,825 | 1,078,025 | 692,400 | 729,450 | 544,475 | 257,675 | 8,984,000 |
| Elgin..... | 216,650 | 125,775 | 117,275 | 146,875 | 220,425 | 96,225 | 1,607,950 |
| Essex..... | 40,525 | 34,650 | 44,500 | 73,300 | 56,325 | 26,300 | 453,475 |
| Frontenac..... | 77,475 | 76,500 | 117,925 | 171,025 | 138,200 | 146,325 | 933,975 |
| Glengarry..... | 15,025 | 12,825 | 86,675 | 43,400 | 78,900 | 75,525 | 363,725 |
| Grenville..... | 56,700 | 62,650 | 79,550 | 133,925 | 217,575 | 189,800 | 963,075 |
| Grey..... | 569,955 | 590,375 | 695,150 | 753,825 | 710,825 | 365,625 | 5,472,655 |
| Haldimand..... | 52,725 | 25,000 | 50,425 | 84,025 | 111,625 | 106,725 | 634,450 |
| Haliburton..... | 162,825 | 174,525 | 166,200 | 147,300 | 119,050 | 139,450 | 1,273,700 |
| Halton..... | 164,700 | 150,650 | 209,175 | 200,200 | 241,125 | 148,625 | 2,086,025 |
| Hastings..... | 498,500 | 301,425 | 327,725 | 446,000 | 433,125 | 305,900 | 3,192,850 |
| Huron..... | 282,000 | 252,175 | 256,850 | 250,750 | 276,025 | 201,250 | 2,435,045 |
| Kenora..... | 13,850 | 8,100 | 12,950 | 8,625 | 13,975 | 34,850 | 130,075 |
| Kent..... | 119,175 | 70,575 | 108,600 | 105,825 | 75,650 | 49,675 | 882,975 |
| Lambton..... | 113,475 | 118,950 | 111,000 | 161,375 | 134,175 | 134,225 | 1,302,025 |
| Lanark..... | 146,775 | 178,950 | 203,800 | 212,825 | 179,625 | 125,400 | 1,520,175 |
| Leeds..... | 48,300 | 44,900 | 74,050 | 93,900 | 123,050 | 105,250 | 705,125 |
| Lennox & Addington | 103,200 | 126,400 | 120,750 | 172,325 | 92,825 | 96,325 | 901,825 |

| | | | | | | | |
|--------------------|------------|------------|------------|------------|------------|------------|-------------|
| Lincoln..... | 48,350 | 32,800 | 71,900 | 57,025 | 28,925 | 79,150 | 470,850 |
| Manitoulin..... | 309,650 | 151,300 | 59,700 | 61,325 | 50,375 | 68,600 | 1,052,525 |
| Middlesex..... | 237,650 | 135,825 | 174,450 | 147,100 | 301,125 | 494,425 | 2,118,025 |
| Muskoka..... | 564,575 | 511,700 | 422,375 | 483,475 | 288,150 | 271,775 | 4,426,750 |
| Nipissing..... | 159,200 | 205,975 | 139,800 | 149,250 | 91,175 | 90,975 | 1,405,575 |
| Norfolk..... | 281,550 | 287,100 | 282,775 | 312,200 | 317,125 | 289,150 | 2,536,700 |
| Northumberland.... | 388,075 | 269,275 | 279,650 | 317,650 | 255,550 | 354,675 | 3,170,150 |
| Ontario..... | 510,475 | 528,075 | 548,225 | 675,075 | 652,550 | 468,675 | 5,200,700 |
| Oxford..... | 127,000 | 102,700 | 179,450 | 146,925 | 119,625 | 146,750 | 1,482,925 |
| Parry Sound..... | 909,600 | 771,325 | 722,275 | 556,375 | 450,600 | 339,300 | 6,406,400 |
| Peel..... | 320,275 | 349,175 | 510,475 | 353,275 | 414,050 | 602,925 | 3,749,400 |
| Perth..... | 133,550 | 47,500 | 81,850 | 157,150 | 53,550 | 46,625 | 849,425 |
| Peterborough..... | 241,425 | 212,250 | 196,690 | 162,725 | 123,700 | 128,675 | 1,814,315 |
| Prescott..... | 78,275 | 53,800 | 93,300 | 75,500 | 747,025 | 221,025 | 1,390,950 |
| Prince Edward..... | 17,975 | 9,075 | 18,600 | 21,350 | 51,525 | 37,325 | 219,700 |
| Rainy River..... | 36,250 | 20,100 | 154,925 | 179,700 | 140,425 | 146,000 | 690,250 |
| Renfrew..... | 264,200 | 324,100 | 346,875 | 386,675 | 389,875 | 458,150 | 3,066,325 |
| Russell..... | 47,125 | 54,150 | 38,825 | 150,400 | 165,875 | 78,700 | 594,000 |
| Simcoe..... | 1,755,850 | 1,710,525 | 1,312,420 | 1,444,225 | 1,085,925 | 821,350 | 14,649,220 |
| Stormont..... | 12,000 | 9,000 | 19,250 | 29,800 | 115,225 | 51,375 | 305,975 |
| Sudbury..... | 80,875 | 89,250 | 182,200 | 111,425 | 169,700 | 121,875 | 1,019,050 |
| Thunder Bay..... | 99,525 | 175,850 | 240,200 | 254,850 | 271,075 | 315,975 | 2,091,075 |
| Timiskaming..... | 42,050 | 47,525 | 9,300 | 23,450 | 17,700 | 28,075 | 228,750 |
| Victoria..... | 176,275 | 188,974 | 130,075 | 168,175 | 129,800 | 138,450 | 1,709,900 |
| Waterloo..... | 262,500 | 196,075 | 258,825 | 248,525 | 176,975 | 181,650 | 2,020,500 |
| Welland..... | 109,250 | 93,375 | 131,350 | 138,550 | 134,175 | 227,275 | 1,292,075 |
| Wellington..... | 306,250 | 485,950 | 339,550 | 525,100 | 224,800 | 299,850 | 3,987,575 |
| Wentworth..... | 281,325 | 198,650 | 263,925 | 348,650 | 315,700 | 257,825 | 2,486,125 |
| York..... | 691,825 | 441,275 | 638,005 | 785,325 | 916,300 | 799,000 | 6,319,330 |
| TOTAL... | 14,421,330 | 12,523,099 | 12,986,865 | 13,809,125 | 13,708,050 | 11,505,775 | 123,956,330 |

FOREST AREAS MANAGED BY THE MINISTER

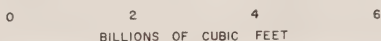
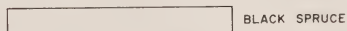
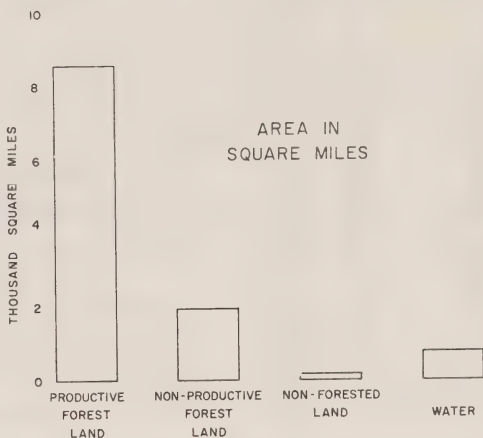
| COUNTY | Date of Agreement | Acreage March 31st 1962 |
|----------------------------------|-------------------|-------------------------------|
| Brant | 15 Nov., 1952 | 50.00 |
| Bruce | 20 Jan., 1950 | 14, 656.35 |
| Dufferin | 26 Nov., 1930 | 2, 042.00 |
| Grey | 21 Dec., 1937 | 7, 183.08 |
| Halton | 14 Mar., 1950 | 1, 245.63 |
| Huron | 27 Nov., 1950 | 1, 339.00 |
| Kent | 23 Dec., 1953 | 76.975 |
| Lanark | 5 July, 1940 | 2, 656.00 |
| Leeds & Grenville | 24 April, 1940 | 5, 625.50 |
| Lennox & Addington | 3 April, 1952 | 786.00 |
| Middlesex | 8 Mar., 1954 | 280.00 |
| Northumberland & Durham | 10 June, 1954 | 4, 877.00 |
| Ontario | 9 July, 1930 | 1, 900.00 |
| Oxford | 1 Sept., 1950 | 716.56 |
| Prescott & Russell | 15 Mar., 1937 | 23, 485.83 |
| Renfrew | 26 Dec., 1951 | 1, 713.00 |
| Simcoe | 19 June, 1925 | 16, 135.69 |
| Stormont, Dundas & Glengarry .. | 29 Sept., 1949 | 1, 524.45 |
| Victoria | 10 Aug., 1928 | 7, 044.00 |
| Waterloo | 17 April, 1950 | 710.48 |
| Wentworth | 27 Nov., 1952 | 889.30 |
| York | 27 Mar., 1924 | 3, 772.08 |
| Sub-Total | | 98, 708.925 |
| TOWNSHIP | | |
| Bonfield | 1 April, 1952 | 60.00 |
| Charlottenburgh | 1 April, 1955 | 175.00 |
| Cumberland | 29 May, 1952 | 808.44 |
| Galway and Cavendish | 1 Nov., 1952 | 100.00 |
| Marlborough | 21 Sept., 1953 | 200.00 |
| Torbolton | 28 Mar., 1953 | 430.80 |
| Sub-Total | | 1, 774.24 |
| CONSERVATION AUTHORITY | | |
| Ausable River | 13 Dec., 1951 | 3, 770.00 |
| Big Creek Region | 2 Dec., 1954 | 2, 202.40 |
| Ganaraska River | 31 Jan., 1947 | 7, 606.60 |
| Grand Valley | 18 Mar., 1952 | 4, 644.69 |
| Metropolitan Toronto & Region .. | 11 April, 1951 | 466.00 |
| Middle Maitland Valley | 1 April, 1955 | 1, 672.00 |
| Moirs River | 28 Nov., 1951 | 9, 815.00 |
| Napanee Valley | 28 Oct., 1954 | 5, 469.00 |
| Neebing Valley | 15 May, 1958 | 1, 030.70 |
| North Grey Region | 25 June, 1958 | 3, 513.00 |
| Otter Creek | 28 April, 1957 | 819.00 |
| Sauble Valley | 23 Sept., 1959 | 1, 580.00 |
| Saugeen Valley | 15 Dec., 1952 | 9, 702.00 |
| South Nation River | 28 Mar., 1960 | 140.00 |
| Upper Thames River | 11 April, 1951 | 3, 249.56 |
| Sub-Total | | 55, 679.95 |
| TOTAL | | 156, 163.115 |

CHAPLEAU DISTRICT



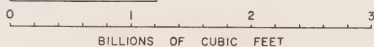
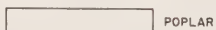
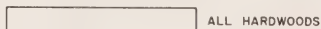
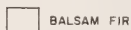
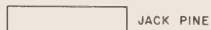
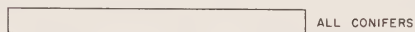
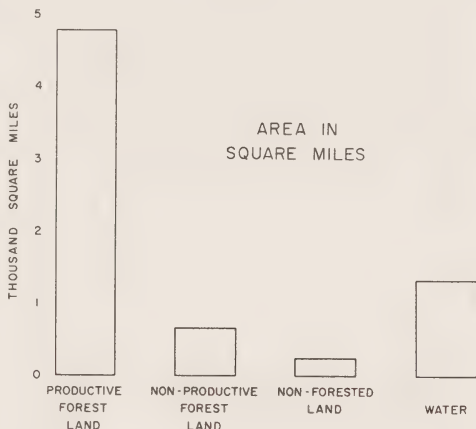
SOURCE : FOREST RESOURCES INVENTORY REPORT No.12

COCHRANE DISTRICT



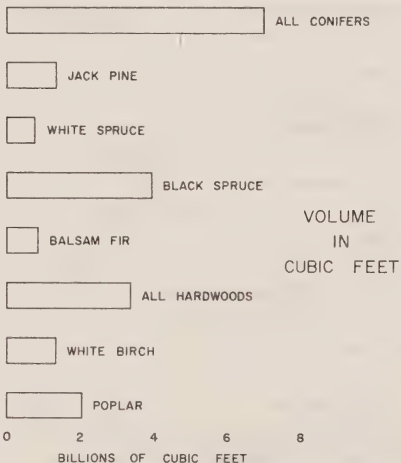
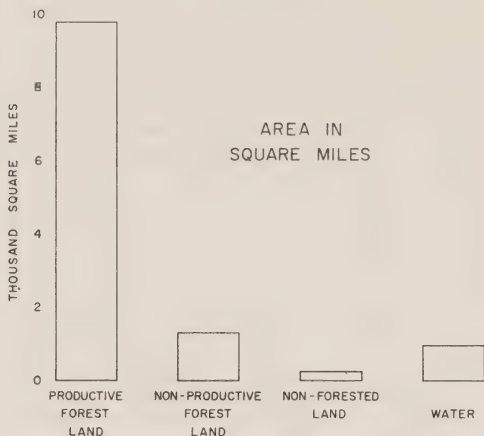
SOURCE : FOREST RESOURCES INVENTORY REPORT No. 3

FORT FRANCES DISTRICT



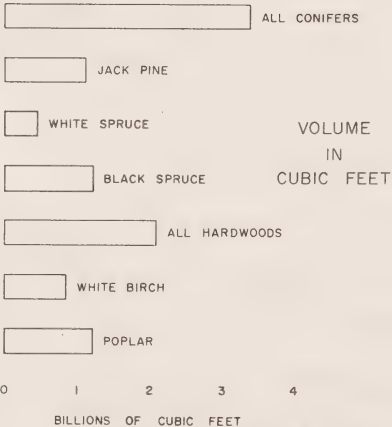
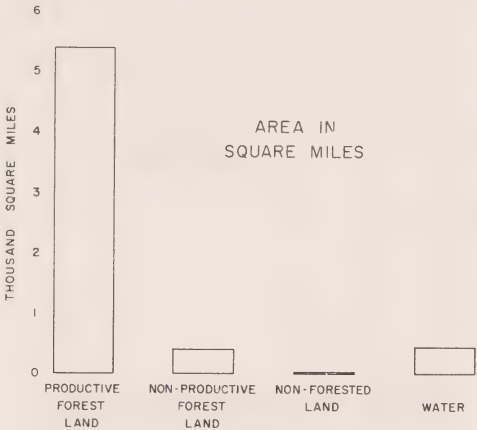
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GERALDTON DISTRICT



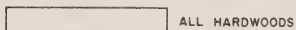
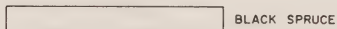
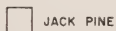
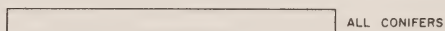
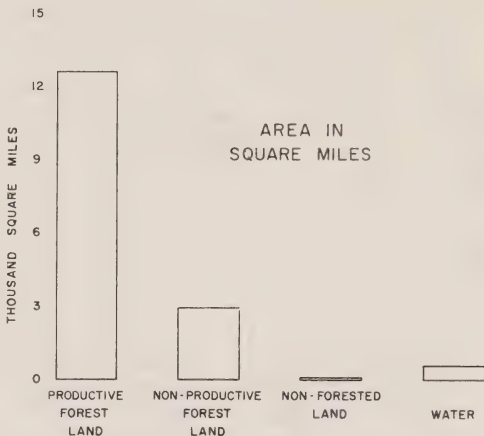
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GOGAMA DISTRICT



SOURCE : FOREST RESOURCES INVENTORY REPORT No.13

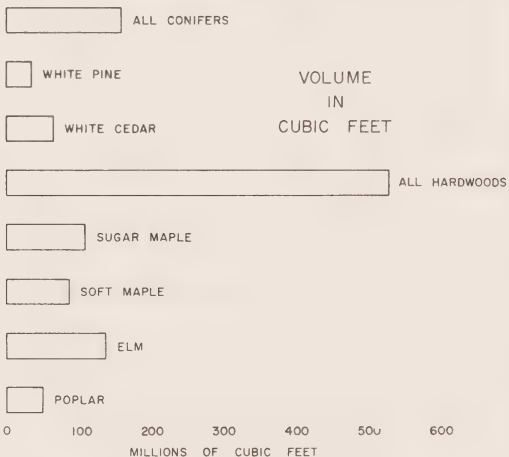
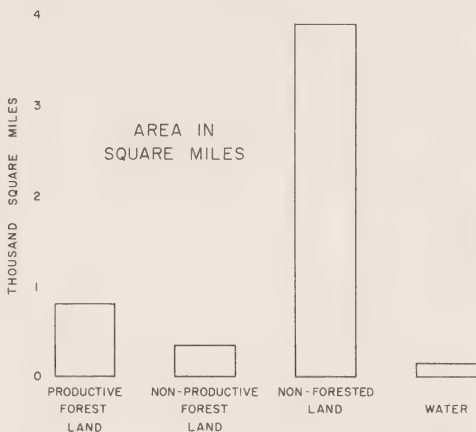
KAPUSKASING DISTRICT



0 2 4 6 8 10
BILLIONS OF CUBIC FEET

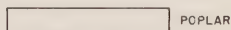
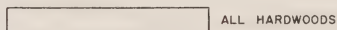
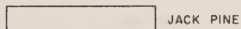
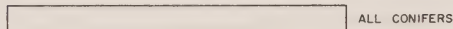
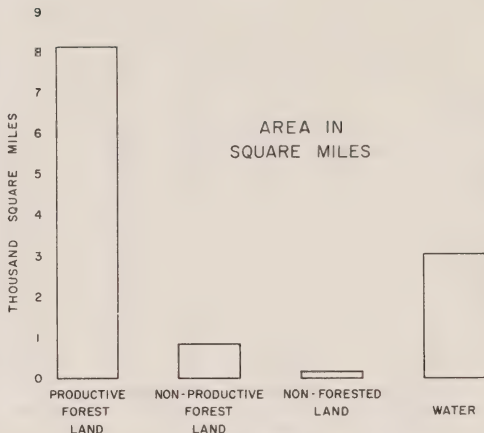
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KEMPTVILLE DISTRICT



SOURCE : FOREST RESOURCES INVENTORY REPORT No.17

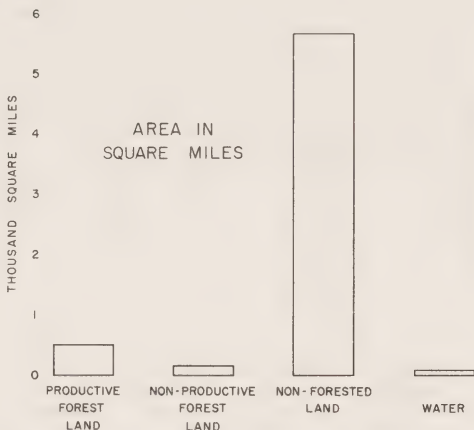
KENORA DISTRICT



0 1 2 3 4 5
BILLIONS OF CUBIC FEET

SOURCE : FOREST RESOURCES INVENTORY REPORT No. 15

LAKE ERIE DISTRICT



ALL CONIFERS

WHITE PINE

ALL HARDWOODS

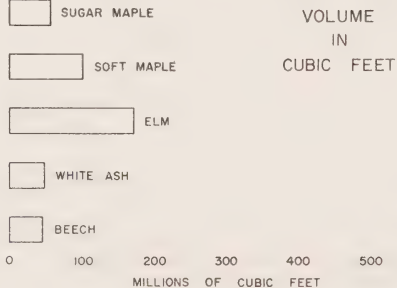
SUGAR MAPLE

SOFT MAPLE

ELM

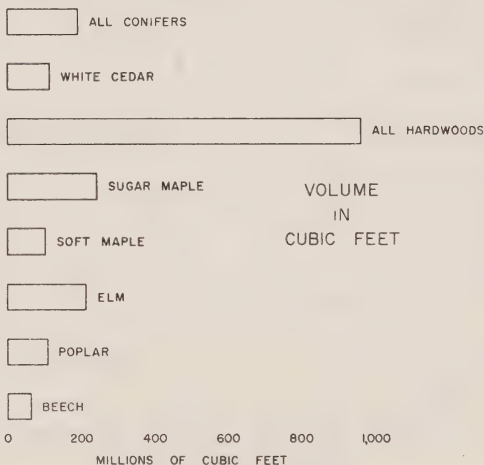
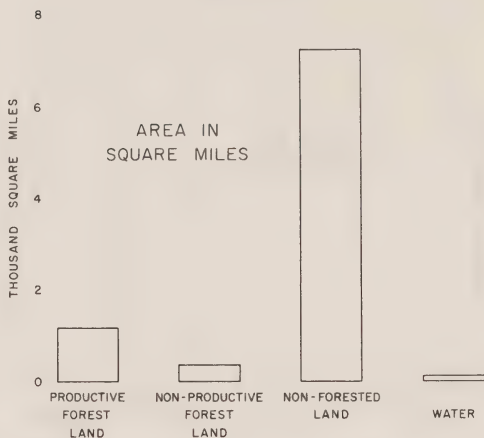
WHITE ASH

BEECH



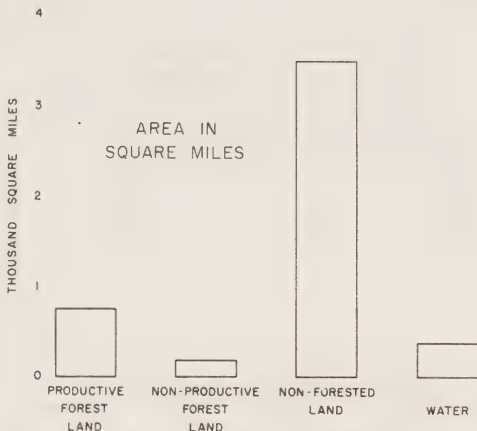
SOURCE : FOREST RESOURCES INVENTORY REPORT No. 22

LAKE HURON DISTRICT



SOURCE : FOREST RESOURCES INVENTORY REPORT No. 21

LAKE SIMCOE DISTRICT



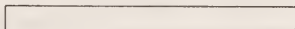
ALL CONIFERS



HEMLOCK



WHITE CEDAR



ALL HARDWOODS



SUGAR MAPLE



ELM



POPLAR



SOFT MAPLE

0 100 200 300 400 500
MILLIONS OF CUBIC FEET

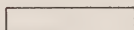
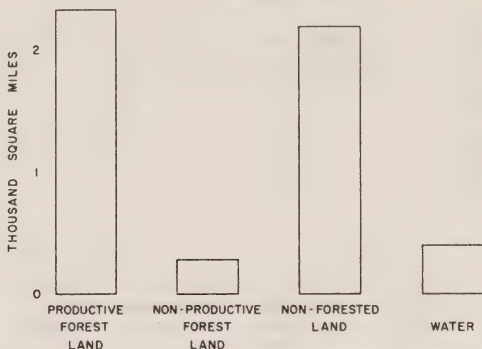
VOLUME
IN
CUBIC FEET

SOURCE : FOREST RESOURCES INVENTORY REPORT No. 20

LINDSAY DISTRICT

3

AREA IN SQUARE MILES



ALL CONIFERS

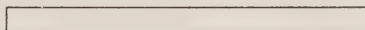


WHITE PINE



WHITE CEDAR

VOLUME IN CUBIC FEET



ALL HARDWOODS



SUGAR MAPLE



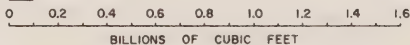
ELM



POPLAR

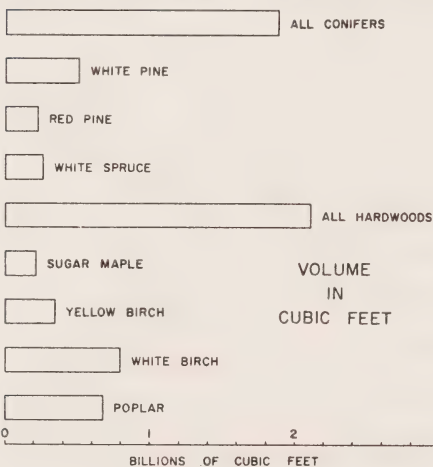
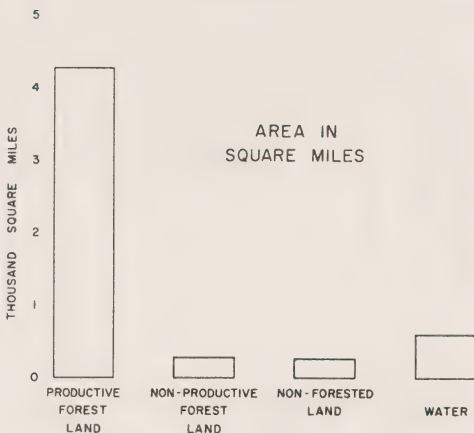


WHITE BIRCH



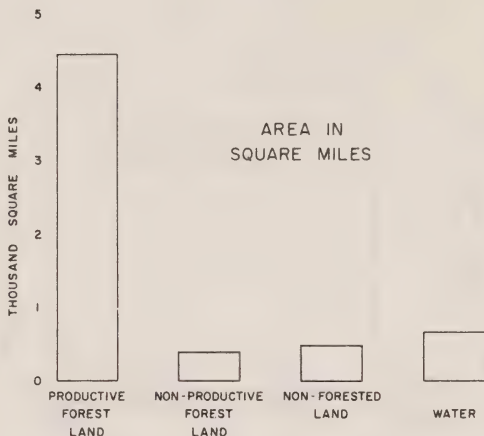
SOURCE : FOREST RESOURCES INVENTORY REPORT No. 19

NORTH BAY DISTRICT



SOURCE : FOREST RESOURCES INVENTORY REPORT No. 1

PARRY SOUND DISTRICT



ALL CONIFERS

WHITE PINE

HEMLOCK

ALL HARDWOODS

SUGAR MAPLE

YELLOW BIRCH

WHITE BIRCH

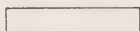
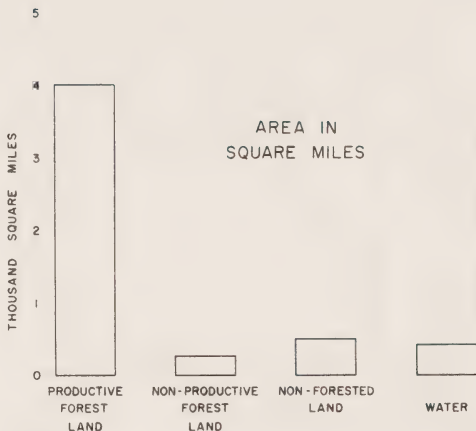
POPLAR

VOLUME
IN
CUBIC FEET

0 1 2 3 4
BILLIONS OF CUBIC FEET

SOURCE : FOREST RESOURCES INVENTORY REPORT No. 8

PEMBROKE DISTRICT



ALL CONIFERS



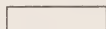
WHITE PINE



EASTERN HEMLOCK



ALL HARDWOODS



SUGAR MAPLE



YELLOW BIRCH



WHITE BIRCH



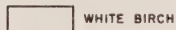
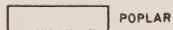
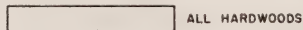
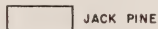
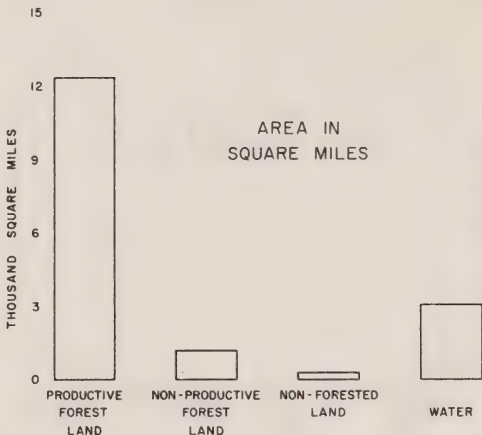
POPLAR

0 1 2 3 4
BILLIONS OF CUBIC FEET

VOLUME
IN
CUBIC FEET

SOURCE : FOREST RESOURCES INVENTORY REPORT No. 7

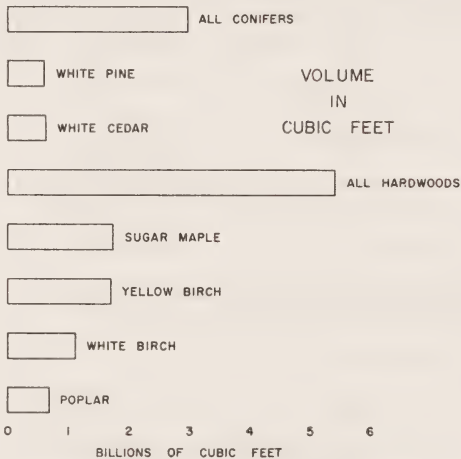
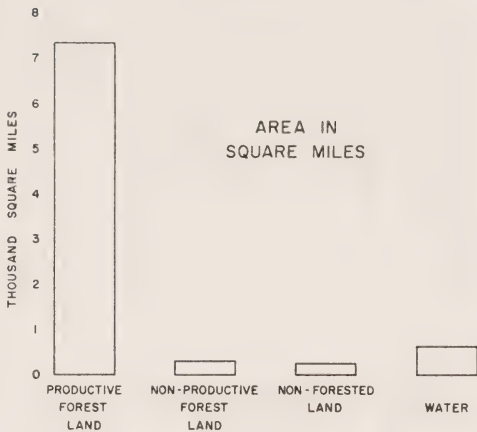
PORT ARTHUR DISTRICT



0 2 4 6 8
BILLIONS OF CUBIC FEET

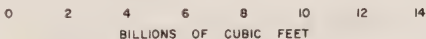
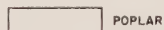
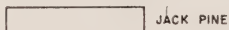
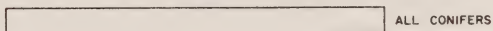
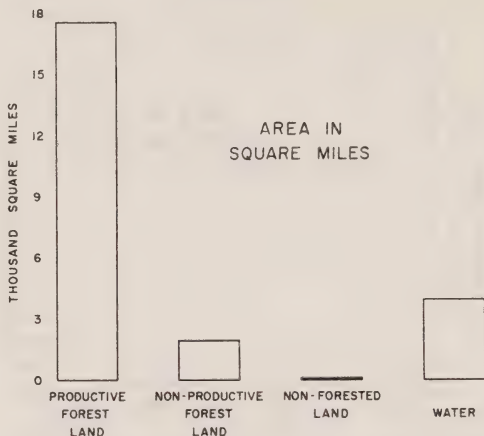
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SAULT STE. MARIE DISTRICT



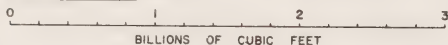
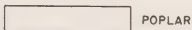
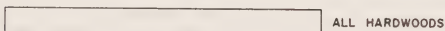
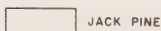
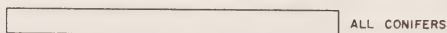
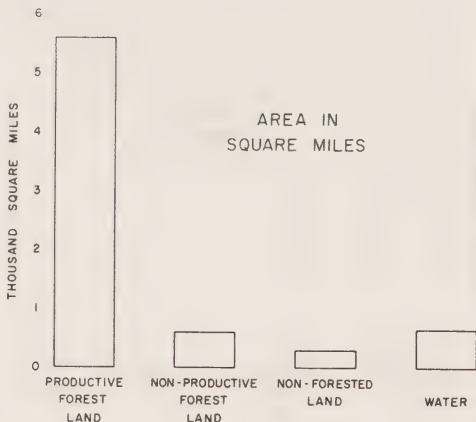
SOURCE : FOREST RESOURCES INVENTORY REPORT No. 11

SIoux LOOKOUT DISTRICT



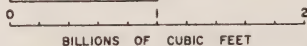
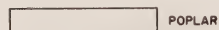
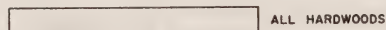
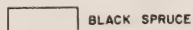
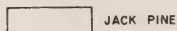
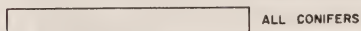
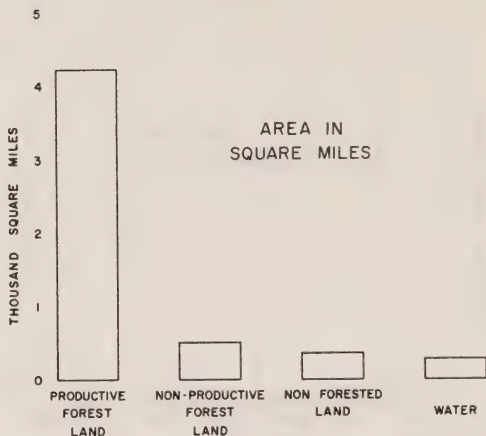
SOURCE : FOREST RESOURCES INVENTORY REPORT No. 16

SUDBURY DISTRICT



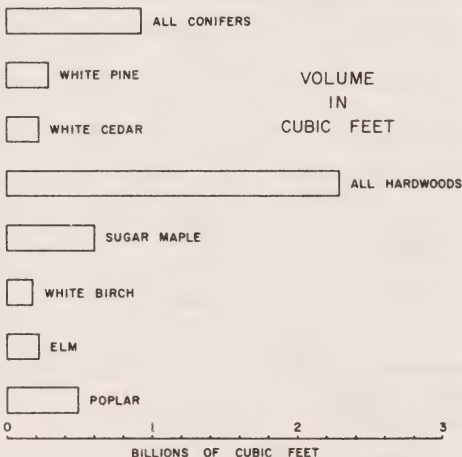
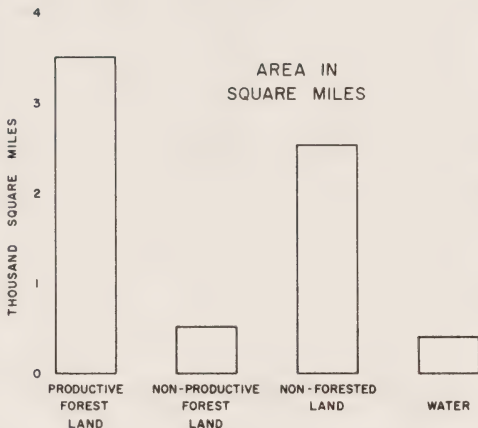
SOURCE : FOREST RESOURCES INVENTORY REPORT No.10

SWASTIKA DISTRICT



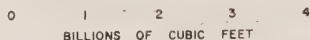
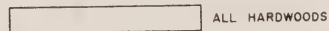
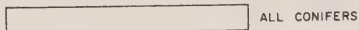
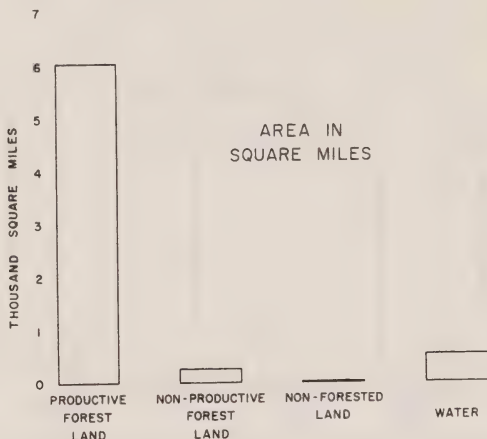
SOURCE : FOREST RESOURCES INVENTORY REPORT No. 2

TWEED DISTRICT



SOURCE : FOREST RESOURCES INVENTORY REPORT No. 18

WHITE RIVER DISTRICT



SOURCE : FOREST RESOURCES INVENTORY REPORT No. 9

NEW POLICIES

CORRECTIONS

[illegible]

COMMITTEES

| BRANCHES | Assisted by Head Office Personnel |
|----------------------------------|--|
| Accounts..... | Departmental Accountants, Ontario Municipal Taxation, or Gr nts |
| Conservation Authorities..... | Advisory Committee to Ontario Research Foundation Conservation Council of Ontario Rep, Ont. Professional Foresters Pollution Committee Fish & Wildlife Committee Technical Sub-Committee to Historic Sites Advisory Board (Metro Toronto) Archaeological and Historic Sites Advisory Board (Dept of Travel & Publicity) Advisory Committee of Upper Canada Village (Ont-St. Lawrence) Advisory Committee on Fish & Wildlife Research, Ont. Research Foundation Advisory Committee on Water and Pollution, Ont. Water Resources Cmsn Parks Committee of Federation of Ontario Naturalists |
| Fish and Wildlife | Advisory Committee on Fisheries and Wildlife Research, Ontario Research Foundation Water and Pollution Advisory Committee of Ont. Water Resources Commission Fur Management Agreement Committee (Federal-Provincial) Administrative Caribou Committee (Fed-Prov Wildlife Conference) Technical Caribou Committee (Fed-Prov Wildlife Conference) Sub-Committee on Gear Development (Fed-Prov Committee, Ont. Fisheries) Special Committee on Lake Trout Rehab. (Great Lakes Fishery Comm., Intl.) Scientific Advisory Committee (Great Lakes Fishery Commission, Intl.) Working Committee on Whitefish Inspection (State-Provincial) Lake Ontario Fish Management Committee (State-Provincial) Resolutions Committee, Association of Midwest Fish and Game Commissioners |

| | |
|-------------------------|--|
| Fish and Wildlife | Mississippi Flyway Council Canada Goose Committee (Miss. Fly. Cncl.) Midwest Pheasant Council Wildlife Conservation Planning Committee (International Association of Game, Fish and Conservation Commissioners) Research Committee (I. A. G. F. C. C.) Scientific Advisory Board to Ontario Waterfowl Research Foundation Committee to study the question of Professionalism (Canadian Society of Wildlife and Fishery Biologists) Fish and Wildlife Advisory Committee to Ontario-St. Lawrence Development Committee Atlantic Flyway Council |
| Forest Protection..... | Associate Committee on Forest Fire Protection, Nat. Research Council Forest Fire Prevention Comt. , O. F. A. Forests Comt. , Nat. Fire Prot. Assoc. Canadian Government Standards Board (Committee on Forest Fire Hose) Canadian Standards Association (Committee on Forest Fire Hose) |
| Lands and Surveys | Mining and Access Roads Committee Canadian Board on Geographical Names Ottawa River Engineering Board Association of Ontario Land Surveyors, Board of Examiners Water Front Technical Committee under Metropolitan-Toronto Planning Board Lake of the Woods Control Board Conservation Council of Ontario Canadian Institute of Forestry |
| Operations | Canadian Public Relations Society (Seminars Committee on Management) (Programme Committee) Resources for Tomorrow Conference (Publicity Committee) International Rescue and First Aid Association American Association for Conservation Information Editorial Committee, Young Naturalists |
| Parks | Ontario Parks Integration Board Parks Committee, Ont. Cons. Council |

- Personnel..... Personnel Council of Ont Civil Service
Public Personnel Association, Metro
Toronto Chapter
Business Management Association of
Ontario, Michigan, Wisconsin,
Minnesota, Missouri
- Research Ontario Research Foundation (Advisory
Comt. on Res. in Forestry)(Advisory
Comt. on Fish & Wildlife) (Technical
Sessions)
Department of Forestry (Canada-
Ontario Advisory Committee on
Forest Research) (Advisory
Committee on Forest Entomology and
Pathology)
Great Lakes Fishery Commission
(Advisory Committee) (Scientific
Advisory Committee) (Sub-Comt on
Lake Trout Rehabilitation) (Canadian
Section)
Pulp and Paper Research Institute
(Steering Group, R. C. 17)
Committee for Ornamentals of Ontario,
Horticultural Research, Royal
Botanical Gardens, Hamilton
Site Evaluation Committee, North
Eastern Forest Tree Improvement
Conference
Committee on Correlation of Soil and
Site, Ontario Agricultural College
Federal-Provincial Great Lakes
Research Comt - Dept. of Fisheries
(Can)
Maple Laboratory for Experimental
Limnology - U. of Toronto
Lake Ontario Fisheries Management
Committee - Ontario - New York
Sports Fish Committee, Lake Ontario
Lake Erie Fish Management Committee
Ont. Council of Commercial Fishermen
Lake Erie Council of Commercial
Fishermen
Upper Great Lakes Fishery Connaittee,
Midwest Wildlife Conference
American Fisheries Society
Great Lakes Institute - U. of Toronto
Canada Committee on Freshwater
Fisheries Research
Ontario Waterfowl Research Foundation
(Scientific Advisory Committee)
Great Lakes Deer Group
North American Wildlife Conference
Fur Advisory Meetings

| | |
|--------------|---|
| Timber | Canadian Institute of Forestry (Committee on Surveys) Committee on Photo Interpretation, American Society of Photogrammetry Public Liaison Committee - Agriculture and Lands and Forests Dominion-Provincial Entomology Pathology Committee Dominion-Provincial Forest Research Committee Agricultural Meteorological Assn. |
|--------------|---|

COMMITTEES

| <u>FIELD OFFICES</u> | <u>Assisted by Field Office Personnel</u> |
|----------------------|---|
| Chapleau | Recreational Planning Committee |
| Fort Frances | Recreational Planning Committee |
| Kemptville | Ont.-St. Lawrence Advisory Commission (Fish & Wildlife Advisory Comt) Ontario Forestry Association |
| Aylmer West | Midwest Pheasant Council |
| Maple | Reforestation Committee - on County Councils of Simcoe, Dufferin and York Conservation Education Sub-Committee, York County Council Private Lands Liaison Committee Public Agriculture Lands Committee |
| Lindsay | Reforestation Committees of Victoria County and Northumberland and Durham Counties (United) |
| North Bay | Recreational Planning Committee |
| Port Arthur | Forestry Committee, Lakehead College of Arts, Science and Technology Thunder Bay Fish and Game Assn. Lakehead Campers Assn. Committee |
| Sudbury | Great Lakes Fishery Commission Manitoulin Island Conservation Advisory Committee |
| Swastika | Canadian Institute of Forestry, Access Roads Committee |
| Tweed | Joint Commercial and Sports Fish Committee for Bay of Quinte Bay of Quinte Sports Fishery Comt. |

AREA AND POPULATION BY PROVINCES populations in 000's

| Province....Area in Sq. Mi. Date entered Confederation | 1871 | 1891 | 1911 | 1921 | 1931 | 1941 | 1951 | *1961 |
|---|-------|-------|-------|-------|--------|--------|--------|--------|
| Ontario.....412,582 July 1, 1867 | 1,620 | 2,114 | 2,527 | 2,933 | 3,431 | 3,787 | 4,597 | 6,179 |
| Quebec.....594,860 July 1, 1867 | 1,191 | 1,488 | 2,005 | 2,360 | 2,874 | 3,331 | 4,055 | 5,192 |
| Nova Scotia.....21,068 July 1, 1867 | 387 | 450 | 492 | 523 | 512 | 577 | 642 | 730 |
| New Brunswick.....27,985 July 1, 1867 | 285 | 321 | 351 | 387 | 408 | 457 | 515 | 608 |
| P.E.I.....2,184 July 1, 1873 | 94 | 109 | 93 | 88 | 88 | 95 | 98 | 105 |
| Newfoundland.....155,364 Mar. 31, 1949 | .... | .... | .... | .... | .... | .... | 361 | 468 |
| Manitoba.....246,512 July 15, 1870 | 25 | 152 | 461 | 610 | 700 | 729 | 776 | 909 |
| Saskatchewan.....251,700 Sept. 1, 1905 | .... | .... | 492 | 757 | 921 | 895 | 831 | 914 |
| Alberta.....255,285 Sept. 1, 1905 | .... | .... | 374 | 588 | 731 | 796 | 939 | 1,313 |
| British Columbia.....366,255 July 20, 1871 | 36 | 98 | 392 | 524 | 694 | 817 | 1,165 | 1,631 |
| Territories*..... | 48 | 98 | 15 | 12 | 13 | 16 | 25 | 36 |
| CANADA.....3,845,774 | 3,689 | 4,833 | 7,206 | 8,787 | 10,376 | 11,506 | 14,009 | 18,085 |

* Official estimate at March 1st.

** Yukon, 207,076 sq. mi., organized June 13, 1898; North West Territories, 1,304,903, reconstituted September 1, 1905.

HISTORICAL HIGHLIGHTS

Ontario Department of Lands and Forests

- 1763 Modified feudal system of land tenure existed when British occupied French Canada.
- 1783 First township surveyed under civil authority.
- 1798 First Surveys Act passed.
- 1819 Land Boards were given authority to settle people on 100-acre lots within their districts.
- 1827 Policy of non-alienation of forested Crown Lands established. First Commissioner of Crown Lands appointed. Surveyor-General of Woods and Forests in the Province of Upper Canada appointed.
- 1838 First Public Lands Act (King William IV, May 17th).
- 1840 Commissioner of Crown Lands for Canada appointed following Act of Union of that year.
- 1842 Upper and Lower Canada united in legislative union.
- 1852 Woods and Forests Branch of Crown Land Department established to replace host of local land agents who formerly administered the affairs of Woods and Forests.
- 1853 Land Act (repealed).
- 1854 Bill introduced to prevent careless setting of fire (not enacted).
- 1867 Confederation. First Commissioner for Crown Lands in Ontario appointed.
- 1868 Land Act of this year is basis of regulations made to present day.
- 1878 First forest-protection legislation passed-"An Act to Preserve the Forests from Destruction by Fire".
- 1885 First system of fire ranging instituted.
- 1887 Camera first used for survey work.
- 1890 Ontario Cullers Act enacted.
- 1893 Algonquin Provincial Park established.
- 1897 Fire Rangers placed on unlicensed land at public expense. Rondeau Provincial Park established.

- 1900 Export of pulpwood and hemlock bark prohibited. Lake Temagami Forest Reserve Created.
- 1904 Four Public Land Acts consolidated. Ontario Government initiates policy of giving attention to problems of forestry in Southern Ontario. Forestry Department created at Ontario Agricultural College in Guelph. Forest Nursery established O. A. C.
- 1905 Report of the Commissioner of Crown Lands changed to Report of the Minister of Lands and Mines.
- 1906 Report of Minister of Lands and Mines changed to Report of Minister of Lands, Forests and Mines.
- 1907 Faculty of Forestry created at University of Toronto.
- 1910 Lumbermen assessed for full cost of maintaining fire rangers
-17 on limits.
- 1912 Forestry Branch created under direction of E. J. Zavitz. St. Williams Forest Station, established in 1908, transferred to Lands and Forests.
- 1913 First Annual Report for Forestry Branch submitted by E. J. Zavitz as Director. Quetico, a forest reserve in 1909, established as Provincial Park.
- 1916 First report on white pine blister rust.
- 1917 Forest Fires Prevention Act provides basis of system whereby timber licensees and pulp concessionaires pay flat rate for fire protection. The Fire Permit system established to control slash burning. White Pine Blister Rust Conference held in Pittsburgh, Pa., U. S. A.
Position of Provincial Forester created under E. J. Zavitz. Fire ranging service transferred from Woods and Forests Branch to Provincial Forester.
- 1918 Province divided into four Inspectorates. Thirty-four Chief Ranger Districts established.
- 1920 Department of Lands and Forests created (Mines as separate Department). Timber Commission appointed to report on administration of timber resources. Rondeau Park transferred from Public Works.
- 1921 Department presented first exhibit at Canadian National Exhibition; was praised by Governor General.

First air patrols carried out as a measure of forest protection.

- 1922 Georgian Bay, Algonquin and Trent Forest Districts established under technical foresters within former Southern Inspectorate. Midhurst and Orono Forest Stations established. First County Forest was started in Simcoe; twelve Township Forests started.
- 1923 New Inspectorate established at Sault Ste. Marie. Central and Northern Inspectorates named Sudbury and Cochrane, respectively. Angus Seed Plant established.
- 1924 Provincial Air Service established. Provincial Land Tax and Pulpwood Conservation Acts enacted. Transplant nursery established at Kemptville.
- 1925 New Inspectorate established at Oba.
- 1926 E. J. Zavitz appointed Deputy Minister of Forestry. Radio used in Forestry Branch operations. New Inspectorates of Hudson and North Bay established.
- 1927 New Inspectorate established at Kenora. Western (Port Arthur) under Forest Supervisor. Cochrane under Fire Inspector. Hudson (Sioux Lookout), Kenora, Oba, Sault Ste. Marie, Sudbury, North Bay, Georgian Bay (Parry Sound), Algonquin (Pembroke) and Trent (Tweed) administered by technical foresters as District Foresters.
- 1930 Western Inspectorate named Port Arthur, administered by District Forester. Oba headquarters moved to Kapuskasing.
- 1932 Twelfth Inspectorate established as Rainy River under District Forester at Fort Frances.
- 1933 Inspectorates changed to Districts. Chief Ranger Districts changed to Chief Ranger Divisions.
- 1934 Fire Ranging and Forest Ranging combined.
- 1935 All twelve Districts are administered by District Foresters. Hudson and Oba Districts named Sioux Lookout and Kapuskasing, respectively.
- 1936 Rainy River, Georgian Bay and Trent Districts are named Fort Frances, Parry Sound and Tweed, respectively.
- 1937 Public Lands Act provides for recreation, deals with sale of summer resort lands, etc. Pulpwood Conservation and Land Surveyors Acts amended.
- 1938 Crown Timber Act amended. Counties Reforestation Act amended.
- 1939 Department divided into eight Head Office Branches: Main Office, Lands, Forestry, Forest (Woods), Accounts, Surveys, Land Tax and Patents. Select committee appointed to

report on all matters pertaining to administration of Lands and Forests. Organization of Resources Act given Royal assent.

- 1940 Abitibi Power and Paper Company Moratorium Act passed. Northern Development, Provincial Land Tax, Railway Fire Charge and Surveys Acts amended.
- 1941 Broad re-organization of Department of Lands and Forests. Establishment of ten Head Office Divisions: Accounts, Air Service, Forest Protection, Lands and Recreational Areas, Research, Surveys, Timber Management, Reforestation, Operation and Personnel, and Law (formerly a Branch).
Thirteen Districts divided into five Regions; named Southern, Central, Kapuskasing, Thunder Bay and Western in the following year. New District of Geraldton on temporary basis.
Southern Ontario Divided into six Zones under Zone Foresters of whom five were appointed.
Land Agencies incorporated in Districts.
- 1943 Geraldton District established.
Forest Ranger School at Dorset established.
- 1946 Department of Game and Fisheries amalgamated with Lands and Forests as Division of Fish and Wildlife.
Two new Regions and seven new Districts created: South-Western with three new Districts: Lake Erie, Lake Huron and Simcoe; South-Eastern with Quinte (formerly Tweed) and two new Districts: Rideau and Trent; South-Central with Algonquin and Parry Sound; Central with North Bay, Sudbury, Sault Ste. Marie and two new Districts: Chapleau and Gogama; Northern with Kapuskasing and Cochrane; Mid-Western with Port Arthur and Geraldton; and Western with Sioux Lookout, Kenora and Fort Frances.
Kemptville and Thunder Bay (Fort William) Forest Stations established. Forest Resources Inventory organizations created. Tree Conservation Act passed.
- 1947 Temiskaming District established (Northern Region).
The Forest Management Act of 1947 provided for the submission of Management Plans by timber and pulpwood licensees for the operation of concession areas on a sustained yield basis. Modern Fur Management began in 1947.
- 1949 White River District established (Central Region), the 22nd District.
- 1952 The Crown Timber Act of April 9th, 1952, consolidated and replaced eight previous Acts to enable the practice of sound forest management. Effective on April 1st, 1953, it standardized and simplified timber licences, and defined and prohibited wasteful practices, setting penalties for the wastage of merchantable wood. It also covered scaling, mill licences, provincial forests and the appointment of the Advisory Committee to the Minister.

The Forestry Act provided for the sale of trees to private land-owners.

1953 Quinte, Trent, Algonquin and Temiskaming Districts named Tweed, Lindsay, Pembroke and Swastika Districts, respectively.

1954 Provincial Parks Act passed. Divisions of Parks, Lands and Law created. Division of Lands and Recreational Areas abolished.

By March 31, 1953, all districts had been divided into Management Units to be managed for sustained yield. Within the following fiscal year, the number increased from a total of 69 to 87 Crown Units and 36 Company Units, all held responsible for Management Plans. Within Crown Units, licensees holding 50 square miles or more were held responsible for Management Plans to be co-ordinated with Unit plans.

1956 Rideau District named Kemptville District.

1957 Department re-organized. Two Assistant Deputy Ministers and two Regional Directors appointed.

Divisions of Timber Management and Reforestation become Timber and Reforestation Branches in the Division of Timber.

Divisions of Forest Protection and Air Service become Forest Protection and Air Service Branches in the Division of Forest Protection.

Divisions of Surveys and Engineering and Lands become Surveys and Lands Branches in the Division of Surveys.

Division of Operation and Personnel becomes Division of Operations and a separate Personnel Section. Division of Law becomes a separate Law Section.

The Forest Resources Inventory, begun in 1946, was completed, and the first of the annual inventories was started to keep the Inventory up to date.

1958 Surveys Act completely revised.
Silviculture becomes the third Branch in Division of Timber.

1959 Divisions re-named Branches and Branches re-named Sections as of December 1st.

Law and Personnel become Branches.

1960 Thirty-five wilderness areas established under The Wilderness Areas Act, March 26th, 1959.

1962 Conservation Authorities Branch transferred to Lands and Forests on January 1st.

MEMORANDUM

1. DATE 2. TIME 3. PLACE

A 20N
F-45
576

A

Government
Publications

**STATISTICAL
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OF
LANDS AND FORESTS
ADMINISTRATION**

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DEPARTMENT OF LANDS AND FORESTS

KELSO ROBERTS, Q.C.

F. A. MACDOUGALL
Deputy Minister

A
STATISTICAL
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OF
LANDS AND FORESTS
ADMINISTRATION
1964

OPERATIONS BRANCH



ONTARIO

DEPARTMENT OF LANDS AND FORESTS

N. A. KELSO ROBERTS, Q.C.
Minister

F. A. MACDOUGALL
Deputy Minister

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FOREWORD

This statistical record is based mainly on information published in Annual Reports of the Minister of Lands and Forests and presented here in a more convenient form for ready reference.

The statistics on forest fires and Provincial Parks include preliminary reports on the 1963 season and are subject to correction in the Annual Report for the year ending March 31st, 1964.

PREMIERS OF ONTARIO SINCE CONFEDERATION

| | From | To |
|---------------------------------------|---------------|----------------|
| Hon. John Sandfield Macdonald..... | July 16, 1867 | Dec. 19, 1871 |
| Hon. E. Blake..... | Dec. 20, 1871 | Oct. 25, 1872 |
| Hon. Sir Oliver Mowat..... | Oct. 25, 1872 | July 9, 1896 |
| Hon. A.S. Hardy..... | July 25, 1896 | Oct. 17, 1899 |
| Hon. George W. Ross | Oct. 21, 1899 | Feb. 7, 1905 |
| Hon. Sir J.P. Whitney..... | Feb. 8, 1905 | Sept. 25, 1914 |
| Hon. Sir Wm. Howard Hearst..... | Oct. 2, 1914 | Nov. 14, 1919 |
| Hon. Ernest Chas. Drury .. | Nov. 14, 1919 | July 16, 1923 |
| Hon. G.H. Ferguson | July 16, 1923 | Dec. 15, 1930 |
| Hon. G.S. Henry..... | Dec. 15, 1930 | July 10, 1934 |
| Hon. Mitchell F. Hepburn.. | July 10, 1934 | Aug. 21, 1942 |
| Hon. G.D. Conant..... | Oct. 21, 1942 | May 18, 1943 |
| Hon. H.C. Nixon..... | May 18, 1943 | Aug. 17, 1943 |
| Hon. George A. Drew | Aug. 17, 1943 | Oct. 19, 1948 |
| Hon. Thomas L. Kennedy .. | Oct. 19, 1948 | May 4, 1949 |
| Hon. Leslie M. Frost | May 4, 1949 | Nov. 8, 1961 |
| Hon. John P. Robarts | Nov. 8, 1961 | ..... |

COMMISSIONERS AND MINISTERS SINCE 1827

| | From | To |
|------------------------------|---------------|----------------|
| Hon. Peter Robinson | July 17, 1827 | July 14, 1836 |
| Hon. R.B. Sullivan | July 14, 1836 | June 30, 1841 |
| Hon. John Davidson | July 23, 1841 | Oct. 12, 1842 |
| Hon. A.N. Morin | Oct. 13, 1842 | Dec. 11, 1843 |
| Hon. D.B. Papineau | Sept. 3, 1844 | Dec. 7, 1847 |
| Sir John A. MacDonald .. | Dec. 8, 1847 | Mar. 10, 1848 |
| Hon. J.H. Price | Mar. 11, 1848 | Oct. 27, 1851 |
| Hon. John Rolph | Oct. 28, 1851 | Aug. 17, 1853 |
| Hon. Louis V. Sicotte ... | Aug. 17, 1853 | Aug. 26, 1853 |
| Hon. A.N. Morin | Aug. 31, 1853 | Jan. 26, 1855 |
| Hon. Jos. Cauchon | Jan. 27, 1855 | April 30, 1857 |
| Sir E.P. Tache | June 16, 1857 | Nov. 24, 1857 |
| Hon. Louis V. Sicotte ... | Nov. 25, 1857 | Aug. 1, 1858 |
| Sir. A.A. Dorion | Aug. 2, 1858 | Aug. 6, 1858 |
| Hon. P.M. Vankoughnet . | Aug. 7, 1858 | Mar. 18, 1862 |
| Hon. George Sherwood... | Mar. 27, 1862 | May 23, 1862 |
| Hon. Wm. McDougall.... | May 24, 1862 | Mar. 29, 1864 |
| Sir Alex. Campbell..... | Mar. 30, 1864 | June 30, 1867 |
| Hon. Stephen Richards... | July 1, 1867 | July 25, 1871 |
| Sir Matthew C. Cameron. | July 25, 1871 | Dec. 21, 1871 |
| Sir Richard W. Scott | Dec. 21, 1871 | Nov. 30, 1873 |
| Hon. Timothy B. Pardee. | Dec. 4, 1873 | Jan. 19, 1889 |
| Hon. Arthur S. Hardy ... | Jan. 19, 1889 | July 21, 1896 |
| Sir John M. Gibson | July 21, 1896 | Oct. 21, 1899 |
| Hon. E.J. Davis | Oct. 21, 1899 | Nov. 22, 1904 |
| Hon. A.G. McKay..... | Nov. 22, 1904 | Feb. 8, 1905 |
| Hon. J.J. Foy | Feb. 8, 1905 | May 13, 1905 |
| Hon. F. Cochrane..... | May 13, 1905 | Oct. 11, 1911 |
| Sir William Hearst | Oct. 12, 1911 | Dec. 22, 1914 |
| Hon. G.H. Ferguson | Dec. 22, 1914 | Nov. 13, 1919 |
| Hon. B. Bowman | Nov. 14, 1919 | July 11, 1923 |
| Hon. Jas. Lyons | July 16, 1923 | Feb. 28, 1926 |
| Hon. G.H. Ferguson | Feb. 28, 1926 | Oct. 18, 1926 |
| Hon. Wm. Finlayson | Oct. 18, 1926 | July 10, 1934 |
| Hon. Peter Heenan | July 10, 1934 | May 27, 1941 |
| Hon. N.O. Hipel | May 27, 1941 | Aug. 17, 1943 |
| Hon. W.G. Thompson.... | Aug. 17, 1943 | Nov. 28, 1946 |
| Hon. H.R. Scott | Nov. 28, 1946 | June 3, 1952 |
| Hon. W.S. Gemmell..... | June 3, 1952 | July 7, 1954 |
| Hon. C.E. Mapledoram.. | July 7, 1954 | July 4, 1958 |
| Hon. J.W. Spooner..... | July 23, 1958 | Oct. 25, 1962 |
| Hon. A. Kelso Roberts, Q. C. | Oct. 25, 1962 | ..... |

DEPUTY MINISTERS SINCE CONFEDERATION

| | |
|---------------------------|------|
| ANDREW RUSSELL | 1867 |
| THOMAS H. JOHNSON | 1869 |
| AUBREY WHITE | 1887 |
| ALBERT GRIGG | 1915 |
| WALTER CAIN | 1921 |
| FRANK A. MacDOUGALL | 1941 |

AUBREY WHITE was a practical man whose recommendations led to the first forest fire protection organization; that was in 1885. He had been appointed to the staff in 1878 as Crown Lands Agent for part of Muskoka at a salary of \$500 per annum. In 1882, he was appointed Clerk in the Woods and Forests Branch at \$1,700 per annum. Recognized as an outstanding authority on forest lands, he was appointed to his chief post on the death of Mr. Johnson in 1887.

ALBERT GRIGG was an ardent dry and a legislator before joining the staff. He was a Member of the Legislative Assembly, representing Bruce Mines where he had been mayor for many years. He was of pioneer stock.

WALTER CAIN taught school, laboured in saw mills and worked his way through the University of Toronto. He was well known in his day as a lacrosse player. He was appointed Clerk in the Lands Branch and succeeded Mr. Grigg when the latter resigned. Superannuated in 1941, he died in 1954.

FRANK MacDOUGALL started at the bottom. After excellent service in the Canadian Army, 1914-18, he worked on the temporary staff and took his degree as Forest Engineer at the University of Toronto. Appointed to the permanent staff on May 15th, 1923, he earned his pilot's licence and played an important part in the development of the forest protection organization. He was District Forester at Sault Ste. Marie and Superintendent of Algonquin Provincial Park before succeeding Mr. Cain in 1941. He headed the progress in organization in the following years.

NEW POLICIES

ACCOUNTS BRANCH

The re-organization of the Department in 1941 included the establishment of the Division of Accounts under J. G. McMillen.

New accounting procedures became effective on April 1st. 1942. Since that date, the work of the unit has been further modernized to provide a complete internal control of Department revenue and expenditures.

R. R. MacBean was appointed Chief on January 1st. 1956.

Re-named Branch in 1959, Accounts is responsible for the accounting of the entire Department, the collection of revenue, the payment of expenditures, the administration of The Provincial Land Tax Act, the issuing of fish and wildlife licences (since 1947), the issuing of park permits, the compilation of payrolls, and the preparation of budgets and financial reports.

The following tables indicate the tremendous growth of the Department across the years and the resulting increase in accounting requirements.

ACCOUNTS BRANCH

Chief: R. R. MacBean

Assistant Chief: F. M. Baker

INTERNAL AUDIT

Internal Audit & Field Inspections

SYSTEMS & PROCEDURES

REVENUE ACCOUNTING

Cash Receiving, Accounts Receivable
Issue of Fish & Wildlife Licences,
Park Permits, Timber Accounts, Land Sales
Land Tax, Rentals

EXPENDITURE & GENERAL ACCOUNTING

Payrolls, Accounts Payable
Accounting Machine Operations

BUDGET ACCOUNTING

Budget Estimates & Forecasts,
Financial Reports

LAND TAX ADMINISTRATION

Assessments, Appeals, Addressograph

GENERAL

Secretarial
Department Mail Services

LANDS AND FORESTS REVENUE AND EXPENDITURES* in years ending March 31st

| YEAR | CASH RECEIPTS | | CASH DISBURSEMENTS | | BALANCE |
|------|----------------------------|---------------------------|----------------------------|---------------------------|-----------------|
| | Ordinary | Capital | Ordinary | Capital | |
| | Total | | Total | | |
| 1943 | \$ 6,964,338.05 | \$ 69,275.28 | \$ 4,072,688.46 | \$ 3,029.42 | \$ 4,075,717.88 |
| 1944 | 6,567,183.22 | 130,524.24 | 3,610,850.90 | 4,574.92 | 3,615,425.82 |
| 1945 | 6,436,259.97 | 155,219.01 | 4,210,648.47 | 341.95 | 4,210,990.42 |
| 1946 | 8,321,551.84 | 193,061.14 | 4,839,821.50 | 8,234.30 | 4,848,055.80 |
| 1947 | 10,366,281.93 | 261,865.96 | 7,043,267.18 | 116,523.23 | 7,159,790.41 |
| 1948 | 10,467,251.70 | 215,151.77 | 7,598,611.94 | ..... | 7,598,611.94 |
| 1949 | 11,419,352.16 | 215,884.90 | 11,400,801.97 | ..... | 11,400,801.97 |
| 1950 | 10,924,652.37 | 677,603.32 | 9,913,520.62 | 4,623,339.12 | 14,536,859.74 |
| 1951 | 10,966,065.72 | 5,351,437.91 | 9,840,796.17 | 3,326,822.18 | 13,167,618.35 |
| 1952 | 14,604,915.18 | 3,222,682.07 | 10,681,717.01 | 2,196,671.93 | 12,878,388.94 |
| 1953 | 20,634,549.56 | 2,513,325.57 ^m | 11,486,280.94 | 1,654,781.54 ^m | 13,141,062.48 |
| 1954 | 18,156,762.00 | 1,810,672.96 | 12,608,258.47 | 800,000.00 | 13,408,258.47 |
| 1955 | 19,146,974.96 | 178,810.09 | 12,716,508.33 | 178,810.09 | 12,895,318.42 |
| 1956 | 19,823,049.47 | 328,056.86 | 17,148,523.65 | 128,297.23 | 17,276,820.88 |
| 1957 | 20,881,873.91 | 367,501.40 | 16,037,678.39 | 187,935.36 | 16,225,613.75 |
| 1958 | 22,189,712.48 | 490,717.96 | 18,733,582.62 | 280,550.13 | 19,014,132.75 |
| 1959 | 19,512,132.50 ^w | 725,375.25 | 20,259,829.63 | 4,167,468.40 ^p | 3,666,297.69 |
| 1960 | 18,627,418.14 ^w | 807,860.60 | 23,029,901.12 ^p | 991,022.60 | 24,427,298.03 |
| 1961 | 20,811,710.78 | 844,686.28 | 23,042,059.98 | 234,988.32 | 24,020,923.72 |
| 1962 | 21,361,244.94 | 644,158.52 | 26,606,120.51 | 1,413,973.51 ^c | 23,277,048.30 |
| 1963 | 21,852,508.58 ^w | 721,351.77 | 25,579,139.71 | 2,934,927.69 ^c | 28,020,094.02 |
| | | | | | 28,514,067.40 |

c- Grants to Conservation Authorities. d- Operating deficit. m- Mississagi salvage project.

* Years to 1947 include former Department of Game and Fisheries.

p- Park improvements. w- Cut back in woods operations. Water Power revenue transferred to Treasury Department in 1959.

TIMBER SECTION REVENUE in years ending March 31st

| Year | Crown Dues | Ground Rent | Fire Tax | Cash Deposits and Refunds | Misc. | Total |
|------|-------------------------|----------------|-------------|------------------------------|----------|--------------|
| 1943 | \$ | \$ | \$ | \$ | \$ | \$ 4,982,281 |
| 1944 | ..... | ..... | ..... | ..... | ..... | 4,561,733 |
| 1945 | 3,606,192 | 117,396 | 436,395 | 66,234 | 15,364 | 4,241,581 |
| 1946 | 4,947,915 | 115,299 | 419,323 | 59,004 | 13,240 | 5,554,781 |
| 1947 | 6,175,444 | 125,061 | 461,164 | 164,784 | 17,651 | 6,944,104 |
| 1948 | 6,093,410 | 126,875 | 456,444 | ..... | 178,302 | 6,855,031 |
| 1949 | 6,899,107 | 108,934 | 440,011 | 130,506* | 14,744 | 7,332,290 |
| 1950 | 6,146,884 | 112,139 | 485,313 | 29,195 | 15,704 | 6,789,235 |
| 1951 | 5,269,279 | 116,642 | 1,007,662 | 53,743 | 13,777 | 6,461,103 |
| 1952 | 8,324,529 | 114,197 | 1,010,554 | 26,954 | 24,631 | 9,500,865 |
| 1953 | 13,718,339 | 123,366 | 1,175,776 | 77,859 | 22,361 | 15,117,701 |
| 1954 | 10,225,155 | 79,832 | 1,052,635 | 14,373* | 23,211 | 11,396,460 |
| 1955 | 10,834,114 | 76,019 | 945,953 | 53,919 | 17,673 | 11,927,678 |
| 1956 | 11,667,003 | 76,234 | 971,517 | 18,024* | 10,000 | 12,706,730 |
| 1957 | 12,332,778 | 80,786 | 1,091,659 | 34,762 | 16,583 | 13,556,568 |
| 1958 | 13,333,503 | 81,098 | 1,041,837 | 45,844* | 20,414 | 14,431,008 |
| 1959 | 11,382,445 ^w | 84,468 | 1,085,027 | 51,833* | 19,893 | 12,520,000 |
| 1960 | 10,381,470 ^w | 82,255 | 1,057,804 | 16,924 | 26,869 | 11,565,322 |
| 1961 | 11,983,088 | 80,488 | 1,035,464 | 38,664* | 32,041 | 13,092,417 |
| 1962 | 12,202,240 | 83,074 | 1,085,269 | 21,102 | 14,660 | 13,406,345 |
| 1963 | 11,418,166 ^w | 83,903 | 1,096,639 | 7,969* | 26,661 | 12,617,400 |

*Refunds in excess of deposits. w- Cut back in woods operations.

FISH AND WILDLIFE REVENUE in years ending March 31st

| Year | Deer Licences | Moose Licences | Other Hunting Licences | Non-Res. Hunting Licences | Angling Licences | Commercial Fishing + Licences | Trapping + Licences | Misc. | Total |
|-------|------------------|-------------------|------------------------------|---------------------------------|---------------------|-------------------------------------|------------------------|-----------|-------------|
| 1943 | \$118,084 | \$ 4,373 | \$102,245 | \$ 93,245 | \$ 306,264 | \$ 84,507 | \$161,635 | \$ 85,433 | \$1,955,786 |
| 1944 | 115,396 | 4,697 | 75,153 | 89,450 | 288,685 | 103,143 | 195,286 | 97,273 | 969,083 |
| 1945 | 117,005 | 4,813 | 79,390 | 115,590 | 412,073 | 99,819 | 247,562 | 110,272 | 1,186,524 |
| 1946 | 166,635 | 7,051 | 110,253 | 218,855 | 605,321 | 103,105 | 277,768 | 153,743 | 1,642,731 |
| 1947* | 196,549 | 9,316 | 132,907 | 361,887 | 1,000,866 | 109,473 | 274,139 | 155,774 | 2,240,911 |
| 1948 | 205,827 | 11,878 | 146,601 | 453,790 | 1,156,904 | 110,705 | 206,514 | 128,442 | 2,420,661 |
| 1949 | 237,707 | 16,787 | 176,301 | 468,705 | 1,350,501 | 116,597 | 328,171 | 119,107 | 2,813,876 |
| 1950 | 242,208 | 352 | 194,228 | 364,922 | 1,450,180 | 115,344 | 293,426 | 113,858 | 2,774,518 |
| 1951 | 264,881 | ..... | 200,790 | 401,490 | 1,637,775 | 121,688 | 321,698 | 117,429 | 3,065,752 |
| 1952 | 286,226 | 7,719 | 222,998 | 340,255 | 1,868,746 | 135,255 | 341,664 | 117,082 | 3,319,945 |
| 1953 | 348,665 | 33,487 | 249,982 | 156,913 | 1,949,892 | 140,116 | 398,604 | 132,256 | 3,409,915 |
| 1954 | 355,911 | 52,464 | 251,535 | 447,366 | 2,086,074 | 125,427 | 353,005 | 128,953 | 3,800,735 |
| 1955 | 364,082 | 73,460 | 277,237 | 454,643 | 2,204,668 | 140,064 | 343,220 | 122,882 | 3,989,256 |
| 1956 | 405,201 | 90,040 | 295,320 | 513,088 | 2,279,336 | 132,944 | 317,052 | 121,733 | 4,154,714 |
| 1957 | 400,272 | 134,210 | 292,098 | 545,979 | 2,294,761 | 145,447 | 272,952 | 120,108 | 4,205,827 |
| 1958 | 415,920 | 173,650 | 317,375 | 563,004 | 2,431,977 | 128,634 | 277,800 | 126,171 | 4,434,531 |
| 1959 | 459,440 | 214,664 | 346,914 | 588,852 | 2,337,425 | 116,861 | 268,276 | 107,392 | 4,439,824 |
| 1960 | 468,833 | 245,033 | 352,197 | 698,968 | 2,399,612 | 112,260 | 252,001 | 93,303 | 4,622,207 |
| 1961 | 493,361 | 280,274 | 357,021 | 797,213 | 2,435,611 | 110,168 | 279,484 | 94,979 | 4,848,111 |
| 1962 | 420,727 | 358,695 | 344,706 | 936,819 | 2,527,212 | 111,552 | 244,082 | 110,723 | 5,054,516 |
| 1963 | 478,444 | 363,095 | 353,064 | 1,041,490 | 2,608,572 | 114,461 | 255,265 | 110,406 | 5,324,797 |

*Department of Game and Fisheries to 1947.

+Includes Royalties.

LANDS AND SURVEYS REVENUE

in years ending March 31st

| Year | Crown Land Sales | Crown Land †Rentals | Parks †Rentals | Misc. | Total |
|------|------------------------|---------------------------|-------------------|----------|-----------|
| 1942 | \$41,961 | \$76,881 | \$18,656 | \$41,189 | \$178,687 |
| 1943 | 69,162 | 65,982 | 14,904 | 27,169 | 177,217 |
| 1944 | 118,745 | 107,518 | 19,592 | 41,192 | 287,047 |
| 1945 | 155,219 | 89,485 | 18,170 | 32,709 | 295,583 |
| 1946 | 193,061 | 90,989 | 20,240 | 34,427 | 338,717 |
| 1947 | 261,866 | 98,893 | 22,367 | 49,171 | 432,296 |
| 1948 | 215,152 | 108,676 | 52,909 | 17,702 | 394,439 |
| 1949 | 215,885 | 115,492 | 36,355 | 42,135 | 409,867 |
| 1950 | 217,642 | 114,021 | 29,745 | 39,349 | 400,757 |
| 1951 | 188,444 | 121,585 | 31,186 | 40,890 | 383,105 |
| 1952 | 186,225 | 120,369 | 32,021 | 48,036 | 386,651 |
| 1953 | 197,368 | 140,248 | 33,108 | 23,442 | 394,166 |
| 1954 | 184,428 | 165,643 | 39,460 | 20,768 | 410,299 |
| 1955 | 212,985 | 178,749 | 42,822 | 21,910 | 456,556 |
| 1956 | 295,057 | 199,834 | 42,612 | 54,182 | 591,685 |
| 1957 | 309,314 | 235,571 | 64,800 | 7,987 | 617,672 |
| 1958 | 358,427 | 264,852 | 51,066 | 12,364 | 686,709 |
| 1959 | 551,088 | 280,860 | 62,128 | 15,814 | 909,890 |
| 1960 | 607,538 | 298,706 | 43,190 | 20,001 | 969,435 |
| 1961 | 609,698 | 334,474 | 39,566 | 21,123 | 1,004,861 |
| 1962 | 644,159 | 377,988 | 36,449 | 26,416 | 1,085,012 |
| 1963 | 627,054 | 375,111 | 35,318 | 25,391 | 1,062,874 |

† Leases and Licences of Occupation

PROVINCIAL PARKS REVENUE in years ending March 31st

| Year | Vehicle Permits | Campsite Permits | Concessions Rentals | Federal Assistance | Misc. | Total |
|------|--------------------|---------------------|------------------------|-----------------------|----------|-----------|
| 1957 | \$..... | \$ 45,613 | \$..... | \$..... | \$13,008 | \$ 58,621 |
| 1958 | 148,488 | 78,462 | ..... | ..... | 17,383 | 244,333 |
| 1959 | 207,751 | 124,137 | ..... | 222,287 | 27,181 | 581,356 |
| 1960 | 292,459 | 206,148 | 44,775 | ..... | 25,556 | 568,938 |
| 1961 | 382,887 | 331,481 | 60,868 | 195,129 | 25,208 | 995,573 |
| 1962 | 438,632 | 447,535 | 58,831 | ..... | 45,313 | 990,311 |
| 1963 | 507,657 | 537,997 | 71,646 | 218,916 | 34,347 | 1,370,563 |

CASH RECEIPTS

In years ending March 31st

| Year | Provincial Land Tax | Map Sales Casual Fees | Flying Fees | Fire Costs Recovered | *Nursery Tree Sales |
|------|------------------------|-----------------------------|----------------|-------------------------|---------------------------|
| 1942 | \$ 146,802 | \$ 3,462 | \$10,902 | \$40,183 | \$ 5,834 |
| 1943 | 146,014 | 3,192 | 6,946 | 28,670 | 8,453 |
| 1944 | 158,745 | 2,925 | 19,448 | 22,916 | 26,138 |
| 1945 | 175,342 | 4,913 | 12,417 | 26,850 | 10,559 |
| 1946 | 209,459 | 9,048 | 25,284 | 30,943 | 19,386 |
| 1947 | 204,475 | 11,071 | 15,258 | 46,402 | 25,373 |
| 1948 | 185,470 | 13,825 | 8,376 | 53,230 | 25,562 |
| 1949 | 217,521 | 17,225 | 6,373 | 48,331 | 1,685 |
| 1950 | 242,292 | 18,778 | 10,734 | 70,707 | 153 |
| 1951 | 322,661 | 19,092 | 13,407 | 38,975 | 60 |
| 1952 | 367,696 | 21,774 | 16,710 | 55,473 | ..... |
| 1953 | 393,236 | 22,723 | 11,720 | 30,140 | 128,220 |
| 1954 | 562,723 | 23,546 | 16,361 | 46,269 | 157,892 |
| 1955 | 644,961 | 30,660 | 16,724 | 46,487 | 216,247 |
| 1956 | 687,296 | 39,579 | 15,267 | 98,385 | 174,279 |
| 1957 | 776,789 | 59,634 | 12,793 | 96,065 | 160,244 |
| 1958 | 810,466 | 62,225 | 13,393 | 76,875 | 146,173 |
| 1959 | 1,114,638 | 84,024 | 20,826 | 103,224 | 160,131 |
| 1960 | 1,133,879 | 87,941 | 32,236 | 94,637 | 160,362 |
| 1961 | 1,162,185 | 84,097 | 22,657 | 62,166 | 122,408 |
| 1962 | 1,172,530 | 109,227 | 21,980 | 53,823 | 111,660 |
| 1963 | 1,672,928 | 106,760 | 24,532 | 59,718 | 103,849 |

* The Forestry Act, 1952, provided for the sale of trees to private landowners.

CORRECTIONS

[illegible]

NEW POLICIES

[illegible]

CONSERVATION AUTHORITIES BRANCH

The original Conservation Branch was established in 1944 within the Department of Planning and Development (Economics and Development, 1961). A. H. Richardson, P. Eng., was Director and Chief Conservation Engineer until his retirement in 1961.

The Branch became responsible for the administration of The Grand River Conservation Act (1938), The Conservation Authorities Act (April 13, 1946) and The Parks Assistance Act (April 12, 1960).

The Branch was transferred to the Department of Lands and Forests on January 1st, 1962, under A. S. L. Barnes as Acting Chief. Mr. Barnes was appointed Chief on July 1st, 1962.

Under The Conservation Authorities Act, an Authority is a corporate body comprised of representatives of municipalities located in the watershed or group of adjacent watersheds which is the Authority area. Following a petition from these representatives to the Minister of Lands and Forests, the Authority is established by order-in-council to function on the basis of local responsibility. It is given broad powers to carry out conservation work, including flood control.

The Branch makes conservation surveys of the watersheds of newly established Authorities. The results of the surveys are compiled in conservation reports which are presented to the Authorities. On request, the Branch makes surveys and studies of resource problems for established Authorities. It also supplies technical advice on conservation problems to all Authorities.

All Authority projects must be submitted to the Branch for approval if a grant of money is to be requested from the Provincial Government. The policy is to make grants of 50 per cent available for the majority of approved projects. Three Authorities are carrying out water control schemes under joint agreements with Ontario and Canada.

By March 31, 1963, thirty-one Conservation Authorities covered a total area of 21,586 square miles. They were operated by 638 representatives appointed by 460 municipalities and 86 appointees of the province.

CONSERVATION AUTHORITIES BRANCH

Chief: A. S. L. BARNES

ADMINISTRATION

Supervisor: F. G. Jackson

| | |
|-----------------------------|-----------------|
| Forestry | P. M. R. Harvie |
| Wildlife & Recreation | K. M. Mayall |
| Field Supervision | A. D. Latornell |
| Parks Inspection | H. J. Christian |
| Historical Research | V. B. Blake |
| Land Use | |

ENGINEERING

Supervisor: J. W. Murray

| | |
|---------------------------|--------------|
| Project Engineering | F. J. Forbes |
| Surveys | |
| Flood Warning | |

| | |
|------------------------|----------------|
| Hydrometeorology | D. N. McMullen |
| (Government of Canada) | |

AUTHORITIES AND PARKS

as of March 31, 1963

| AUTHORITY Area in sq. miles Date Established | CONSERVATION AREA (Park area) | Area Acreage | |
|--|-------------------------------------|--------------|----------------|
| | | Total | Devel -oped |
| Ausable River 665 July 30, 1946 | Exeter | 3 | |
| | Lucan | 9 | |
| | Morrison Dam | 77 | |
| | Port Franks | 314.... | 20 |
| | Rock Glen..... | 17.... | 12 |
| | Thedford..... | 20 | |
| Big Creek Region..... 610 Sept. 9, 1948 | Abigail Becker | 12 | |
| | Backus | 80.... | 20 |
| | Black Creek | 21.... | 6 |
| | Kelvin | 12 | |
| | Quance | 8 | |
| | Sutton | 12 | |
| | Teeterville..... | 50.... | 5 |
| | Vanessa | 30.... | |
| Catfish Creek 189 Feb. 23, 1950 | Vittoria | 35.... | 5 |
| | Waterford | 250.... | 120 |
| Central Lake Ontario 242 July 17, 1958 | | | |
| Credit Valley 388 May 13, 1954 | Belfountain | 22 | |
| | Erindale..... | 135.... | 35 |
| | Forest Cons. Areas .. | 190 | |
| | Mono..... | 170 | |
| | Orangeville | 520 | |
| | Terra Cotta..... | 310.... | 100 |
| | Wilcox | 102 | |
| Crowe Valley 775 Nov. 6, 1958 | | | |
| Ganaraska Region 229 Oct. 8, 1946 | Cold Springs | 30.... | 5 |
| | Garden Hill | 56.... | 25 |
| | Sylvan Glen | 5.... | 5 |
| | Dean's Hill | | 2 |
| | Byng | 144.... | 60 |
| Grand Valley..... 2,614 Feb. 26, 1948 | Doon | 58.... | 15 |
| | Elora Gorge | 307.... | 225 |
| | Hamilton | 200 | |
| | Pinehurst..... | 105.... | 90 |
| | Rockwood..... | 197 | |

AUTHORITIES AND PARKS

as of March 31, 1963

| AUTHORITY Area in sq. miles Date Established | CONSERVATION AREA (Park area) | Area Acreage Total Devel -oped |
|---|--|--|
| Grand Commission (1938) | Conestogo Luther Marsh Shand | 5,292....700 4,900.... 3,200....400 |
| Holland Valley 232 Sept. 6, 1951 | Holland Landing | 20.... 10 |
| Junction Creek 125 Dec. 12, 1957 | Garson | 3.... 3 |
| Lakehead Region..... 980 July 15, 1954 | | |
| Maitland Valley 984 Sept. 6, 1951 | Ethel..... Gorrie..... | 28 50..... 30 |
| Mattagami Valley 34 Nov. 30, 1961 | | |
| Metropolitan Toronto ... and Region 968 Feb. 1, 1957 | Albion Hills Bolton..... Boyd Cedar Mills Claremont Cold Creek..... Dingle..... (Black Creek) Edgeley-Dalziel Glen Haffy Glen Major..... Greenwood..... Heart Lake Humber Trails Humber Valley Oakbank Palgrave Forest..... Uxbridge Woodbridge | 810.... 250 20 977.... 150 2.... 2 400.... 100 435.... 300 150 117.... 10 532.... 150 67 597.... 150 247.... 150 50.... 20 148 6.... 6 400 93 35.... 15 |
| Moira River 1,056 July 31, 1947 | Black River Deloro O'Hara Plainfield Prince Vanderwater | 50 95 35.... 15 30 13.... 6 500.... 150 |

AUTHORITIES AND PARKS

as of March 31, 1963

| AUTHORITY Area in sq. miles Date Established | CONSERVATION AREA (Park area) | Area Acreage Total Devel -oped |
|---|---|--|
| Napanee Valley..... 307 Nov. 20, 1947 | Second Depot Lake.... | 800 |
| Niagara Peninsula..... 950 Apr. 30, 1959 | Ball's Falls..... Long Beach..... | 144 142.... 42 |
| North Grey Region..... 655 June 5, 1957 | Bognor..... Inglis Falls..... Peasmarsh..... Pottawatomi..... | 75 132.... 132 38 29 |
| Nottawasaga Valley 1, 210 May 5, 1960 | Meaford..... | 15 ....15 |
| Otonabee Region 603 July 9, 1959 | | |
| Otter Creek..... 323 Aug. 5, 1954 | Edison..... Lake Joseph..... Norwich..... Port Burwell..... | 10 21 14 21.... 10 |
| Sauble Valley..... 560 July 17, 1958 | Colpoy Range..... Rankin River..... | 4.... 4 178 |
| Saugeen Valley..... 1, 619 Mar. 16, 1950 | Bell's Lake..... Brucedale..... Durham..... Mildmay..... Mount Forest..... Southampton..... Varney..... | 100 12.... 8 35 10.... 7 12.... 4 6 12.... 8 |
| Sixteen Mile Creek..... 167 Dec. 20, 1956 (Sixteen Valley) | Escarpment..... Esquesing..... Kelso..... Chisholm..... | 89 70 361.... 346 70 |
| South Nation 1, 512 May 8, 1947 | | |
| Spencer Creek..... 101 May 8, 1958 | Beverley..... Valens..... | 50.... 50 257 |
| Sydenham Valley 1, 052 Jan. 12, 1961 | | |

AUTHORITIES AND PARKS

as of March 31, 1963

| AUTHORITY | CONSERVATION | Area Acreage | |
|--------------------------|------------------------|--------------|-------|
| Area in sq. miles | AREA | Devel | |
| Date Established | (Park area) | Total | -oped |
| Lower Thames Valley | | | |
| 869 | | | |
| Feb. 2, 1961 | | | |
| Upper Thames River | Centreville | 6.... | 3 |
| 1, 325 | Dingman's Creek | 18.... | 5 |
| Sept. 18, 1947 | Dorchester | 18.... | 9 |
| | Embroy | 14.... | 8 |
| | Fullarton | 81.... | 10 |
| | Harmony..... | 27 | |
| | Harrington..... | 13.... | 8 |
| (Fanshawe) | J. Cameron Wilson ... | 2,455.... | 450 |
| | Kirkton..... | 5.... | 5 |
| | Murray Forest | 73.... | 10 |
| | Shakespeare | 32.... | 20 |
| | Wilton Grove | 20 | |
| | Woodham | 74 | |
| Twelve Mile Creek | Carlisle | 27.... | 27 |
| 199 | Mount Nemo | 158.... | |
| June 12, 1958 | Rattlesnake Point | 286.... | 286 |
| | Morrison. | 10 | |
| Whitson Valley | | | |
| 123 | | | |
| Sept. 3, 1959 | | | |

| | | | |
|---------|-----|------------------------------|------------------|
| Totals: | 31 | Conservation Authorities ... | 21,586 sq. miles |
| | 108 | Conservation Areas | 28,842 acres |
| | 59 | Developed Park Areas..... | 4,832 acres |

CONSERVATION AREAS ATTENDANCE (in 000's)

| Authority | 1959 | 1960 | 1961 | 1962 |
|-----------------|-------|-------|-------|-------|
| Big Creek..... | 17 | 36 | 125 | 80 |
| Credit..... | 100 | 96 | 88 | 96 |
| Grand..... | 187 | 178 | 185 | 231 |
| Metro Toronto. | 736 | 773 | 850 | 893 |
| Niagara..... | .. | 48 | 58 | 70 |
| Moirs..... | .. | .. | .. | 22 |
| Sixteen Mile... | .. | .. | .. | 22 |
| Upper Thames. | 119 | 88 | 103 | 160 |
| Other s..... | 216 | 243 | 262 | 225 |
| TOTAL..... | 1,375 | 1,462 | 1,671 | 1,804 |

WATER CONTROL PROJECTS completed by March 31st, 1963

| Authority | * LARGE DAMS and RESERVOIRS | Year Completed | Cost |
|-------------------|--------------------------------|-------------------|------------------------|
| Upper Thames..... | Fanshawe..... | 1953 | \$4, 912, 443 |
| Grand Comm..... | Shand | 1942 | 2, 056, 487 |
| | Luther Marsh | 1953 | 233, 985 |
| | Conestoga..... | 1959 | 4, 900, 000 |
| TOTAL | | | <u>*\$12, 602, 915</u> |

CHANNEL IMPROVEMENT

| | | | |
|------------------|------------------------------|------|-------------|
| Ausable | Grand Bend | 1958 | \$ 25, 260 |
| Grand | Bridgeport..... | | 22, 531 |
| | Speed River, Guelph | 1961 | 778, 934 |
| | Phase I and II, Paris | 1961 | 13, 000 |
| | Nith River, Paris..... | 1962 | 3, 226 |
| Credit..... | Erindale..... | 1962 | 93, 428 |
| Maitland..... | Listowel..... | 1958 | 11, 863 |
| | Listowel..... | 1960 | 5, 490 |
| Metro Toronto.. | Long Branch, Etobicoke | 1949 | 226, 665 |
| | Don, York Mills | | 160, 000 |
| | Don, Lower..... | | 69, 436 |
| | Don, Lambton..... | 1960 | 306, 680 |
| | Black Creek, Lawrence Ave.. | 1962 | 115, 643 |
| | Lower Humber | 1963 | 995, 000 |
| North Grey | Peasmarsh (Indian Road) | 1960 | 1, 000 |
| Saugeen | Walkerton | 1962 | 21, 978 |
| Upper Thames... | Ingersoll | 1950 | 1, 002, 992 |
| | Mitchell..... | 1962 | 41, 232 |

RIVER DIVERSIONS

| | | | |
|------------------|-----------------------------|------|----------|
| Ausable | Port Franks | 1950 | 158, 802 |
| Metro Toronto... | Brampton, Etobicoke Road .. | 1952 | 976, 600 |
| | Don, West Branch | 1956 | 9, 701 |

STREAMBANK EROSION CONTROL \$ 150, 188

Metro Toronto.. MAPPING, Acquisition
of Flood Plain Lands..... \$ 134, 400

MISCELLANEOUS PROJECTS \$ 93, 021

Preliminary Engineering Projects \$ 70, 641

TOTAL \$5, 496, 711

*Canada, 37-1/2%; Ontario, 37-1/2%; Authority, 25%.

WATER CONTROL PROJECTS completed by March 31st, 1963

| Authority | SMALL DAMS and Community Ponds | Year Completed | Cost |
|-------------------|-----------------------------------|-------------------|--------------------|
| Ausable | Morrison at Exeter | 1957 | \$199,198 |
| Big Creek | Sutton at Simcoe* | 1960 | 15,000 |
| | Teeterville*..... | 1962 | 1,558 |
| | Quance*..... | 1962 | 432 |
| Credit..... | Orangeville (land purch.).... | | 30,082 |
| | Belfountain | 1962 | 15,955 |
| Crowe..... | Marmora* | 1960 | 29,000 |
| | Allan's Mills*..... | 1962 | 2,179 |
| Ganaraska | Garden Hill Dam | 1962 | 9,294 |
| Grand | Queen St., Galt*..... | 1957 | 3,574 |
| | Grand Valley*..... | 1957 | 15,468 |
| | Wellesley..... | 1958 | 41,808 |
| | Breslau..... | 1962 | 30,439 |
| | Rockwood..... | 1961 | 18,036 |
| Holland..... | Fairey Lake*..... | 1963 | 40,015 |
| | Whitchurch*..... | 1958 | 3,450 |
| Junction..... | Kelly Lake..... | 1962 | 61,617 |
| Metro Region.... | Albion Hills | 1959 | 76,000 |
| | Bolton | 1960 | 12,500 |
| | Black Creek, | 1960 | 598,000 |
| | Oakbank, Thornhill* | 1956 | 2,527 |
| | Boyd | 1958 | 14,000 |
| Moirra | Deloro | 1953 | 51,621 |
| | Lingham Lake*..... | 1960 | 8,400 |
| Napanee | Second Deport Lake | 1957 | 193,418 |
| North Grey | Sydenham, Owen Sound*..... | 1959 | 32,000 |
| | Thornbury* | 1962 | 3,004 |
| Sauble..... | McNab Lake*..... | 1959 | 1,045 |
| | Parkhead Dam*..... | 1960 | 497 |
| | Rankin River*..... | 1961 | 21,850 |
| | Shallow Lake Dam* | 1961 | 1,300 |
| Sixteen Mile..... | Kelso Dam | 1962 | 430,000 |
| South Nation..... | Casselman Dam* | 1958 | 35,936 |
| Upper Thames... | Dorchester Pond | 1959 | 10,868 |
| | Harrington Pond..... | 1953 | 32,758 |
| | Shakespeare Pond | 1954 | 32,730 |
| | Kirkton Pond..... | 1954 | 3,500 |
| | Centreville Pond | 1955 | <u>12,000</u> |
| TOTAL..... | | | <u>\$2,148,161</u> |

*Repairs to existing structures.

WATER CONTROL PROJECTS UNDERWAY

as of March 31, 1963

| Authority | Reservoirs * | Engineering and Construction Costs | Land Costs |
|---------------------------|--|---------------------------------------|---------------|
| Metro Toronto. . . | Claireville. | \$ 62,595 | \$ 247,945 |
| | Ebenezer. | 25,133 | 40,194 |
| | Bolton. | 223 | 185,594 |
| | Willowdale. | ... | 34,382 |
| | Other. | ... | 22,141 |
| Upper Thames. . . | Wildwood. | 46,895 | 412,178 |
| | Woodstock. | 39,433 | 2,805 |
| | Mitchell. | 131,277 | .... |
| Channel Improvements * | | | |
| Metro Toronto. . . | Black Creek. | 543,700 | 55,165 |
| | Woodbridge. | 454,185 | 13,292 |
| | York Mills. | 12,125 | 2,000 |
| Watershed Studies * | | | |
| Metro Toronto. . . | Don and Humber Rivers. | 126,337 | .... |
| | | *1,464,080 | *1,015,596 |
| Flood Plain and Reservoir | | | |
| Metro Toronto. . . | Black Creek. | ... | 43,179 |
| | Don River. | ... | 23,283 |
| | Duffin Creek. | ... | 36,079 |
| | Highland Creek. | ... | 109,100 |
| | Humber, Highland. | ... | 293,451 |
| | Snelgrove. | 1,368 | 54,594 |
| | Others. | 9,666 | 27,939 |
| Others. | | ... | 2,492 |
| Miscellaneous | | | |
| Metro Toronto. . . | Watershed Studies (Duffin). | 19,596 | .... |
| | Miscellaneous. | 5,911 | .... |
| Sixteen Mile. . . | New Dam, Kelso. | 97,950 | .... |
| Others. | Stream Gauges. | 9,796 | .... |
| | Miscellaneous. | 1,193 | .... |
| TOTAL. . . | | 145,480 | 590,117 |

*Canada, 37½%; Ontario, 37½%; Authority, 25%

NEW POLICIES

FISH AND WILDLIFE BRANCH

Game and fish resources were of considerable concern to the Commissioner of Crown Lands during the period of the union of Upper Canada with Lower Canada, but a general realization of their true importance was not attained until later years under the Department of Game and Fisheries. In 1889, the control and management of fisheries were placed under the Crown Lands Department. In 1890, the game laws were amended. In 1897, the fishing service was transferred to the Attorney General.

The Department of Game and Fisheries developed until April 15th, 1946, when it was established as a Division of the Department of Lands and Forests; it was termed Branch in 1959.

Dr. W. J. K. Harkness, Chief of the new Division until his death in 1960, introduced many of the modern principles of fish and wildlife management.

Under Lands and Forests, the number of graduate biologists increased from two to more than fifty. Enforcement Officers became Conservation Officers and increased from 136 to more than 200. At peak periods, they are assisted by 200 or more biologists and other personnel and by approximately 1,300 Deputy Game and Fishery Wardens.

Dr. C. H. D. Clarke, appointed Chief on April 1st, 1961, has directed an increasingly intensive management of fish and wildlife resources to provide the maximum harvest consistent with conservation.

FISH AND WILDLIFE BRANCH

Chief: C.H.D. CLARKE

WILDLIFE SECTION

Supervisor: D.N. Omand

Game Management

Fur Management

Field Services

Indian Affairs Agreement

FISHERIES SECTION

Supervisor: J.K. Reynolds

Game Fisheries and Hatcheries

Commercial Fisheries

SPECIAL STAFF

Chief's Clerical Staff

Departmental Consultant

Accounts and Staff Records

Reports, Publications and Laboratory

*FUR RETURNS by Ontario Game Management Districts in years ending June 30th

| Year | No. of Trappers | Beaver | Fisher | Arc. Fox | Col. Fox | ** Lynx | Marten | Mink | Muskrat | Otter | Raccoon | Skunk | Squirrel | Weasel |
|------|-----------------|---------|--------|----------|----------|---------|--------|--------|---------|-------|---------|-------|----------|--------|
| 1949 | 4,326 | 46,208 | 1,027 | 39 | 2,783 | 409 | 120 | 19,867 | 172,219 | 3,276 | 129 | 77 | 209 | 20,544 |
| 1950 | 4,917 | 62,717 | 310 | 14 | 1,727 | 389 | 48 | 30,750 | 146,145 | 3,488 | 66 | 169 | ... | 44,463 |
| 1951 | 11,379 | 81,790 | 662 | 139 | 3,341 | 415 | 1,045 | 31,323 | 408,662 | 6,137 | 6,667 | 4,538 | 4,121 | 32,002 |
| 1952 | 11,641 | 99,391 | 2,081 | 198 | 4,871 | 251 | 1,529 | 27,704 | 567,565 | 5,259 | 10,905 | 5,747 | 5,598 | 13,129 |
| 1953 | 12,332 | 109,260 | 2,414 | 54 | 5,784 | 1,216 | 2,210 | 28,904 | 671,642 | 6,410 | 9,874 | 5,749 | 16,077 | 23,727 |
| 1954 | 11,914 | 91,484 | 2,335 | 685 | 4,604 | 1,464 | 2,767 | 30,264 | 607,645 | 6,203 | 10,669 | 2,506 | 14,256 | 23,816 |
| 1955 | 12,310 | 115,439 | 2,915 | 98 | 2,879 | 1,547 | 3,587 | 29,520 | 640,865 | 6,224 | 99,641 | 1,879 | 16,133 | 28,813 |
| 1956 | 11,001 | 98,084 | 3,046 | 163 | 2,619 | 891 | 2,909 | 27,510 | 400,111 | 6,401 | 13,135 | 819 | 13,861 | 20,190 |
| 1957 | 9,529 | 106,738 | 2,127 | 60 | 1,253 | 564 | 4,467 | 36,284 | 443,153 | 5,727 | 10,551 | 1,105 | 19,440 | 17,981 |
| 1958 | 8,604 | 140,371 | 3,173 | 128 | 2,031 | 1,103 | 6,061 | 49,484 | 446,578 | 8,519 | 9,596 | 2,019 | 14,778 | 16,410 |
| 1959 | 7,826 | 120,566 | 2,365 | 302 | 1,858 | 2,242 | 4,559 | 44,926 | 337,936 | 6,698 | 4,200 | 572 | 11,330 | 11,626 |
| 1960 | 8,657 | 110,615 | 3,125 | 85 | 1,188 | 4,038 | 6,361 | 47,445 | 320,287 | 6,040 | 10,580 | 389 | 9,255 | 12,472 |
| 1961 | 9,100 | 132,375 | 3,348 | 98 | 1,655 | 4,502 | 9,325 | 61,520 | 304,731 | 7,422 | 7,433 | 216 | 12,496 | 12,631 |
| 1962 | 8,588 | 137,609 | 2,728 | 130 | 2,960 | 4,578 | 10,260 | 47,215 | 377,888 | 7,456 | 9,543 | 264 | 10,009 | 11,143 |
| 1963 | 9,448 | 167,408 | 2,830 | ... | 1,647 | 4,743 | 7,748 | 43,048 | 345,428 | 8,326 | 9,189 | 112 | 12,850 | 10,213 |

** Lynx includes Bob Cat.

* Management began in 1947.

VALUE OF PELTS, Exported or Tanned in years ending June 30th

| NUMBER OF PELTS | | | | | VALUE OF PELTS | | | |
|-----------------|-----------|---------------|----------------|-----------|----------------|-------------|-------------|--|
| Year | Wild | Ranch Mink | Total Ranch | Total | Wild | Ranch | Total | |
| 1947 | 876,204 | 73,770 | 101,430 | 977,634 | \$4,966,209 | \$2,262,888 | \$7,229,098 | |
| 1948 | 1,001,249 | 125,829 | 155,468 | 1,156,717 | 4,040,847 | 2,346,039 | 6,386,885 | |
| 1949 | 1,046,628 | 143,358 | 164,917 | 1,211,545 | 5,187,075 | 1,647,044 | 6,834,120 | |
| 1950 | 931,890 | 143,513 | 158,912 | 1,090,802 | 4,248,297 | 2,165,233 | 6,413,530 | |
| 1951 | 811,579 | 142,570 | 152,208 | 963,787 | 4,582,901 | 3,101,559 | 7,684,460 | |
| 1952 | 959,431 | 144,436 | 152,284 | 1,111,715 | 3,656,919 | 2,355,226 | 6,012,145 | |
| 1953 | 1,098,286 | 152,760 | 156,903 | 1,255,189 | 3,868,812 | 2,171,784 | 6,040,596 | |
| 1954 | 1,016,672 | 131,192 | 132,759 | 1,149,431 | 2,682,762 | 1,905,518 | 4,588,280 | |
| 1955 | 1,107,530 | 158,662 | 159,765 | 1,267,295 | 4,284,902 | 2,942,968 | 7,227,870 | |
| 1956 | 786,608 | 171,723 | 172,985 | 959,593 | 2,989,521 | 4,129,555 | 7,119,077 | |
| 1957 | 788,666 | 247,998 | 248,317 | 1,036,983 | 2,575,809 | 2,978,209 | 5,554,018 | |
| 1958 | 791,165 | 237,172 | 237,930 | 1,029,095 | 2,713,427 | 3,943,119 | 6,656,546 | |
| 1959 | 680,189 | 262,788 | 262,913 | 943,102 | 2,445,203 | 3,969,224 | 6,414,426 | |
| 1960 | 641,093 | 286,845 | 287,265 | 928,358 | 2,831,174 | 4,450,571 | 7,281,744 | |
| 1961 | 680,878 | 348,192 | 348,602 | 1,029,480 | 2,469,875 | 4,441,088 | 6,910,963 | |
| 1962 | 627,283 | 385,650 | 385,962 | 1,013,245 | 2,451,075 | 5,593,485 | 8,044,560 | |
| 1963 | 692,487 | 385,982 | 386,133 | 1,078,620 | 3,439,311 | 6,176,920 | 9,616,231 | |

REVENUE FROM PELTS, Exported or Tanned in years ending June 30th

| Year | NUMBER OF PELTS | | | ROYALTY ON WILD PELTS | | |
|------|------------------|-----------------|---------|-----------------------|-----------------|-----------|
| | Export Beaver | Total Export | Tanners | Export Beaver | Total Export | Tanners |
| 1947 | 45,847 | 762,998 | 214,636 | \$ 91,694 | \$188,560 | \$ 23,229 |
| 1948 | 20,083 | 862,700 | 294,017 | 40,166 | ..... | ..... |
| 1949 | 74,253 | 940,378 | 271,167 | 148,506 | 238,073 | 27,153 |
| 1950 | 65,600 | 909,079 | 181,723 | 131,200 | 219,949 | 18,075 |
| 1951 | 81,845 | 814,447 | 149,340 | 163,690 | 241,938 | 15,493 |
| 1952 | 105,503 | 922,868 | 188,847 | 211,006 | 300,321 | 19,556 |
| 1953 | 122,287 | 998,713 | 256,476 | 185,103 | 300,799 | 26,314 |
| 1954 | 105,071 | 908,990 | 240,441 | 157,635 | 268,823 | 25,430 |
| 1955 | 134,729 | 941,348 | 325,947 | 135,919 | 242,490 | 34,795 |
| 1956 | 112,663 | 769,027 | 190,566 | 112,663 | 196,956 | 20,767 |
| 1957 | 111,278 | 788,370 | 248,613 | 111,278 | 194,340 | 27,596 |
| 1958 | 140,930 | 879,316 | 149,779 | 140,930 | 224,921 | 9,407 |
| 1959 | 119,684 | 830,538 | 112,564 | 119,684 | 195,586 | 8,353 |
| 1960 | 109,757 | 821,984 | 106,374 | 109,757 | 188,562 | 6,950 |
| 1961 | 130,167 | 918,212 | 111,268 | 130,167 | 224,237 | 9,017 |
| 1962 | 135,949 | 897,511 | 115,734 | 135,949 | 217,870 | 5,999 |
| 1963 | 164,293 | 959,404 | 119,216 | 164,293 | 242,652 | 6,981 |

BOUNTIES PAID in years ending March 31st

BEAR BOUNTY

WOLF BOUNTY

| Year | 12 mts. and over \$10 each | Under 12 mts. \$5 each | Total Amount Paid | Timber | Brush | Pups | Total | Total Amount Paid |
|------|----------------------------------|------------------------------|-------------------------|--------|-------|------|-------|-------------------------|
| 1947 | 959 | 73 | \$ 9,735 | 1,440 | 1,182 | 42 | 2,664 | \$59,275 |
| 1948 | 509 | 17 | 5,095 | 1,515 | 961 | 74 | 2,540 | 54,923 |
| 1949 | 592 | 67 | 6,035 | 1,581 | 1,062 | 84 | 2,727 | 57,977 |
| 1950 | 803 | 122 | 8,530 | 1,613 | 890 | 41 | 2,544 | 56,927 |
| 1951 | 453 | 47 | 4,645 | 1,405 | 651 | 44 | 2,100 | 46,457 |
| 1952 | 408 | 29 | 4,180 | 1,198 | 634 | 63 | 1,895 | 41,803 |
| 1953 | 662 | 57 | 6,805 | 1,313 | 739 | 68 | 2,120 | 46,550 |
| 1954 | 947 | 145 | 10,000 | 1,101 | 720 | 70 | 1,891 | 41,853 |
| 1955 | 1,126 | 99 | 11,590 | 1,075 | 620 | 41 | 1,736 | 38,703 |
| 1956 | 614 | 50 | 6,310 | 1,088 | 559 | 28 | 1,675 | 37,550 |
| 1957 | 611 | 50 | 6,225 | 1,195 | 486 | 71 | 1,752 | 38,950 |
| 1958 | 1,568 | 300 | 16,930 | 1,047 | 574 | 34 | 1,655 | 37,255 |
| 1959 | 1,084 | 116 | 11,145 | 1,169 | 606 | 49 | 1,824 | 41,589 |
| 1960 | 697 | 139 | 7,590 | 939 | 528 | 42 | 1,509 | 33,619 |
| 1961 | 401 | 46 | 4,150 | 1,320 | 761 | 57 | 2,138 | 48,766 |
| 1962 | *328 | *23 | *3,405 | 1,136 | 794 | 68 | 1,998 | 44,510 |
| 1963 | ... | ... | ... | 1,276 | 691 | 64 | 2,031 | 44,664 |

* Payment of bear bounties ended on July 27th, 1961.

BREEDING STOCK ON LICENSED FUR FARMS at January 1st

| | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 | 1962 |
|----------------------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|
| Fox | | | | | | | | | | | |
| Blue..... | 75 | 56 | 68 | 70 | 81 | 56 | 57 | 83 | 94 | 97 | 57 |
| Cross..... | 1 | 1 | 1 | 1 | 1 | 1 | ..... | ..... | ..... | ..... | 1 |
| Pearl Platinum..... | 349 | 294 | 230 | 251 | 155 | 119 | ..... | ..... | ..... | ..... | ..... |
| Platinum..... | 267 | 159 | 136 | 136 | 108 | 105 | 186 | 232 | 280 | 367 | 355 |
| Red..... | 6 | 1 | 3 | 4 | 6 | 7 | 12 | 13 | 14 | 9 | ..... |
| Standard Silver..... | 1,567 | 760 | 583 | 456 | 239 | 166 | 150 | 178 | 292 | 212 | 130 |
| White Marked..... | 111 | 50 | 26 | 16 | 9 | 6 | ..... | ..... | ..... | ..... | ..... |
| Total Fox..... | 2,375 | 1,321 | 1,047 | 934 | 599 | 460 | 405 | 506 | 680 | 685 | 543 |
| Mink..... | 73,535 | 70,160 | 75,340 | 85,332 | 101,721 | 109,936 | 119,299 | 130,294 | 142,600 | 154,626 | 164,901 |
| Beaver..... | 16 | 15 | 26 | 16 | 1 | 1 | 1 | 1 | 1 | 1 | ..... |
| Fisher..... | 13 | 10 | 9 | 11 | 12 | 12 | 8 | 2 | 2 | 1 | 1 |
| Lynx..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Marten..... | 36 | 54 | 62 | 70 | 81 | 85 | 76 | 89 | 96 | ..... | 78 |
| Muskrat..... | 192 | 264 | 707 | 82 | 62 | 54 | 47 | ..... | ..... | ..... | ..... |
| Raccoon..... | 47 | 68 | 57 | 47 | 43 | 43 | 33 | 24 | 22 | 20 | 13 |
| Skunk..... | 2 | ..... | ..... | ..... | 5 | 5 | 3 | 3 | 3 | 3 | 4 |
| NO. OF FARMS..... | 769 | 631 | 549 | 529 | 542 | 520 | 513 | 496 | 500 | 508 | 500 |

ACTIVITIES OF PHEASANT HUNTING PRESERVES, 1962-63

| District | No. of Preserves | Total licenced acreage not including Islands | Total Birds Purchased | Total Birds Released | Total Birds Removed | No. of Hunters | Stock as of March 31, 1963 |
|------------------|------------------|--|-----------------------------|----------------------------|---------------------------|-------------------|----------------------------------|
| Aylmer | 18 | 5822.9 | 7962 | 9413 | 6259 | 1068 | 567 |
| Hespeler | 10 | 2203 | 7675 | 7731 | 4886 | 528 | 926 |
| Lindsay | 7 | 1700 | 3252 | 3368 | 2213 | 449 | 29 |
| Maple | 4 | 1053 | 4767 | 4498 | 2673 | 1246 | 71 |
| Tweed | 3 | 236 | 40 | 5280 | 2492 | 204 | 500 |
| Kemptville | 2 | 672 | 1086 | 960 | 467 | 152 | 55 |
| Pembroke | 1 | 120 | 500 | 280 | 53 | 23 | 53 |
| Sault Ste. Marie | 2 | 760 | 60 | 610 | 271 | 135 | NIL |
| Parry Sound | 1 | 100 | 275 | 275 | 207 | 40 | NIL |
| TOTAL | 48 | 12666.9 | 25617 | 32415 | 19521 | 3845 | 2201 |

ACTIVITIES OF COMMERCIAL PHEASANT FARMS, 1962-63

| PURCHASES | | | | | SALES | | | | |
|------------------|--------------|------|-----------------------|---------------------|---------------|------|-----------------|------------------|----------------------------|
| District | No. of Farms | Eggs | Chicks & Poults | Adult Birds | Dressed Birds | Eggs | Chicks & Poults | Live Adult Birds | Stock as of March 31, 1963 |
| Aylmer | 45 | 602 | CAN 7148 USA 1000 | 944 | 5564 | 1145 | 19762 | 7011 | 3537 |
| Hespeler | 64 | NIL | CAN 7835 USA 3000 | 1334 | 11796 | 338 | 2576 | 4463 | 1765 |
| Kemptville | 6 | NIL | NIL | 55 | NIL | NIL | 53 | 162 | 160 |
| Lindsay | 10 | NIL | 1750 | 292 | 288 | 60 | 8 | 1134 | 477 |
| Maple | 22 | NIL | CAN 95 USA 5300 | CAN 323 USA 200 | 5955 | 42 | 1045 | 1047 | 373 |
| Sault Ste. Marie | 5 | NIL | 60 | 12 | 364 | 148 | 4903 | 1542 | 1048 |
| Tweed | 15 | NIL | NIL | 70 | 1107 | 320 | 1557 | 191 | 796 |
| Swastika | 1 | NIL | NIL | 500 | 606 | NIL | NIL | NIL | 60 |
| Pembroke | 1 | NIL | 500 | NIL | 73 | NIL | NIL | 41 | 53 |
| Sudbury | 1 | NIL | NIL | NIL | 309 | NIL | NIL | 100 | 100 |
| Parry Sound | 2 | NIL | USA 315 | 305 | NIL | 92 | 1026 | 281 | 355 |
| TOTALS | 172 | 602 | CAN 17388 USA 9615 | CAN 3835 USA 200 | 26062 | 2145 | 30930 | 15972 | 8724 |

HUNTING LICENCES SOLD

| Year | DEER | | MOOSE | | BEAR † | | SMALL GAME | |
|------|----------|----------|---------|----------|----------|--------|------------|----------|
| | Resident | Non-Res. | Total | Resident | Non-Res. | Total | Resident | Non-Res. |
| 1944 | 38,654 | 2,385 | 41,039 | 875 | 653 | 1,528 | 92,847 | 1,949 |
| 1945 | 53,930 | 4,430 | 58,360 | 1,282 | 1,426 | 2,708 | 131,468 | 3,281 |
| 1946 | 62,913 | 7,877 | 70,790 | 1,694 | 1,230 | 2,924 | 155,309 | 4,666 |
| 1947 | 67,299 | 11,193 | 78,492 | 2,270 | 1,516 | 3,786 | 171,098 | 3,620 |
| 1948 | 73,700 | 11,300 | 85,000 | 3,000 | 1,700 | 4,700 | 186,060 | 3,200 |
| 1949 | 76,274 | 12,050 | 88,324 | * | * | * | 205,706 | 3,300 |
| 1950 | 84,380 | 12,440 | 96,820 | * | * | * | 213,594 | 5,620 |
| 1951 | 89,290 | 10,400 | 99,690 | 1,400 | * | 1,400 | 240,040 | 4,960 |
| 1952 | 96,790 | ** 870 | 97,660 | 3,620 | * | 3,620 | 268,444 | 5,400 |
| 1953 | 92,785 | 8,300 | 101,085 | 5,196 | 637 | 5,833 | 256,341 | 3,810 |
| 1954 | 92,800 | 10,400 | 103,200 | 7,500 | 730 | 8,230 | 284,000 | 5,300 |
| 1955 | 105,150 | 8,050 | 113,200 | 9,000 | 990 | 9,990 | 318,000 | 6,010 |
| 1956 | 98,079 | 7,426 | 105,505 | 13,441 | 1,521 | 14,962 | 316,778 | 5,905 |
| 1957 | 106,620 | 6,743 | 113,363 | 17,367 | 1,890 | 19,257 | 341,838 | 6,092 |
| 1958 | 109,322 | 6,044 | 115,366 | 22,688 | 2,362 | 25,050 | 377,589 | 5,503 |
| 1959 | 102,960 | 5,988 | 109,948 | 26,349 | 3,431 | 29,780 | 378,666 | 6,243 |
| 1960 | 114,400 | 6,004 | 120,404 | 31,948 | 4,212 | 36,160 | 383,205 | 7,286 |
| 1961 | 106,160 | 5,788 | 111,948 | 38,977 | 5,775 | 44,752 | 377,047 | 7,103 |
| 1962 | 121,735 | 5,913 | 127,648 | 39,470 | 6,675 | 46,145 | 383,150 | 7,538 |

* Closed Season. ** U. S. A. ban on importation of cloven-hoofed animals. † Includes a few non-resident wolf licences.

TOTAL LICENCES SOLD

| Year | ANGLING | | HUNTING | | |
|------|----------|----------|----------|----------|---------|
| | Resident | Non-Res. | Resident | Non-Res. | Total |
| 1944 | ..... | 89,291 | 132,376 | 5,168 | 137,544 |
| 1945 | ..... | 126,367 | 186,680 | 9,451 | 196,131 |
| 1946 | ..... | 171,400 | 219,916 | 14,556 | 234,472 |
| 1947 | ..... | 196,785 | 240,667 | 16,877 | 257,544 |
| 1948 | 3,730 | 224,898 | 262,760 | 17,800 | 280,560 |
| 1949 | 4,434 | 240,278 | 281,980 | 16,526 | 298,506 |
| 1950 | 5,110 | 237,191 | 297,974 | 19,187 | 317,161 |
| 1951 | 4,785 | 272,180 | 330,730 | 16,480 | 347,210 |
| 1952 | 4,695 | 287,997 | 368,854 | 9,330 | 378,184 |
| 1953 | 4,712 | 308,500 | 354,322 | 15,237 | 369,559 |
| 1954 | 6,400 | 366,150 | 384,300 | 17,950 | 402,250 |
| 1955 | 6,450 | 377,220 | 432,150 | 16,800 | 448,950 |
| 1956 | 12,624 | 376,000 | 428,298 | 16,883 | 445,181 |
| 1957 | 15,806 | 397,435 | 465,825 | 17,428 | 483,253 |
| 1958 | 18,678 | 380,036 | 509,599 | 18,712 | 528,311 |
| 1959 | 22,005 | 389,811 | 507,975 | 19,751 | 527,726 |
| 1960 | 10,516 | 406,239 | 529,553 | 21,330 | 550,883 |
| 1961 | 11,735 | 422,378 | 522,184 | 22,273 | 544,457 |
| 1962 | 11,200 | 433,308 | 544,662 | 23,912 | 568,574 |

PROSECUTIONS in years ending March 31st

| Year | Seiz- ures | Public Sales | *Total Sales | Convic- tions | Collected Costs | Fines |
|------|---------------|-----------------|-----------------|------------------|--------------------|----------|
| 1947 | 1,844 | \$..... | \$37,202 | 2,040 | \$1,216 | \$44,267 |
| 1948 | ..... | 4,700 | ..... | 2,880 | ..... | ..... |
| 1949 | 2,015 | 15,514 | 16,742 | 2,302 | 1,453 | 46,947 |
| 1950 | 2,697 | 7,053 | 17,222 | 2,704 | 1,746 | 45,808 |
| 1951 | 2,619 | 9,751 | 21,534 | 2,728 | 1,507 | 47,622 |
| 1952 | 2,763 | 9,422 | 23,847 | 2,862 | 1,476 | 48,335 |
| 1953 | 2,872 | ..... | 23,633 | 2,880 | 1,387 | 50,460 |
| 1954 | 2,975 | ..... | 25,157 | 3,052 | 1,442 | 47,715 |
| 1955 | 3,005 | 9,239 | 27,009 | 3,102 | 1,274 | 52,088 |
| 1956 | 2,929 | 7,414 | 23,213 | 2,967 | 1,281 | 44,444 |
| 1957 | 2,751 | 9,389 | 24,596 | 2,620 | 1,204 | 43,895 |
| 1958 | 2,996 | 9,392 | 24,320 | 3,040 | 1,602 | 47,443 |
| 1959 | 2,472 | 10,397 | 25,018 | 2,460 | 1,183 | 42,876 |
| 1960 | 2,290 | 9,236 | 20,612 | 2,198 | 1,186 | 45,136 |
| 1961 | 2,424 | 9,698 | 19,217 | 2,207 | 1,064 | 48,557 |
| 1962 | 2,050 | 7,431 | 15,159 | 2,049 | 927 | 43,720 |
| 1963 | 2,186 | 8,544 | 18,183 | 2,079 | 937 | 47,389 |

*Includes Redemptions.

FISH DISTRIBUTION FROM ONTARIO PROVINCIAL HATCHERIES IN 1962

| HATCHERY | BROOK TROUT | LAKE TROUT | RAINBOW TROUT | LARGEMOUTH BASS | SMALLMOUTH BASS | MASKINONGE | WHITEFISH | WALLEYE | SPLAKE |
|---------------------|---|----------------------|---------------------|---------------------------------|------------------------------|------------------------|-------------|--|----------|
| Chatsworth (TRS) | 88,470Y | - | - | - | - | - | - | - | - |
| Codrington (TRS) | 42,180Y | 38,000Y | 25,900Y | - | - | - | - | - | - |
| Deer Lake (PS) | 108,750Y | 10,000Y | - | - | - | - | - | 75Fg | - |
| Dorion (TRS) | 493,500EE 364,500Fg 16,192Y 850A | 10,000Fg 282,155Y | - | - | - | 2,970,000F 23,550Fg | - | - | - |
| Hill Lake (TRS) | 189,327Y 39,800A | 54,312Y 590A | 60,300Fg 23,548Y | - | - | - | - | - | - |
| Little Current (JH) | - | - | - | - | - | - | 46,575,000F | 16,500,000EE | - |
| Midhurst (PS) | 58,700Y | - | - | - | - | - | - | - | - |
| Mount Pleasant (PS) | - | - | - | 20A | - | - | - | - | - |
| Normandale (TRS) | 29,700Y | - | 28,000Y 8,650A | - | - | - | - | - | - |
| North Bay (TRS) | 92,400Y 15,500A | 48,500Y | - | - | - | - | - | - | - |
| Pembroke (TRS) | 61,300Fg 164,800Y | 91,500Fg | - | - | - | - | - | - | - |
| Port Arthur (TH) | - | - | - | - | - | - | - | - | - |
| Sandfield (PS) | 191,900Y | 28,925Y | 37,975Y | - | 147,000F 32,000Fg 163A | - | - | - | - |
| Skeleton Lake (PS) | 1,000Fg 100,500Y | 12,000Fg 69,000Y | 78,800Y | - | 32,200Fg 128A | - | - | - | 111,792Y |
| Tarentorus (TRS) | 224,500Fg 256,400Y 19,295A | 295,000Y 128A | 9,935Y | - | - | - | - | - | - |
| Westport (PS) | 66,330Y | 14,840Y | 14,500Y | 55,000F 72,300Fg 39,820Fg | 37,600Fg | - | - | - | - |
| White Lake (PS) | 249,600Y | 13,000F 148,000Y | 72,500Y | - | 73,500Fg | - | - | 4,000,000EE 8,994,000F 200,995Fg | - |
| Warton (TH) | - | 126,800Fg | - | - | - | - | - | - | - |

Other Species: 53,280 Atlantic Salmon (Ouananiche) eggs were distributed from North Bay Hatchery
1,347 Aurora Trout fingerlings were distributed from Hill Lake Hatchery
500 Grayling Adults were distributed from Dorion Hatchery

NOTE: TRS- Trout Rearing Station JH- Jar Hatchery EE- Eyed Eggs Y- Yearlings
PS- Pond Station TH- Trough Hatchery F- Fry A- Adults
Fg- Fingerlings

DISTRIBUTION OF HATCHERY FISH in 000's

| SPECIES | *1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 | 1962 |
|------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| BASS, Largemouth. | | | | | | | | | | | |
| Fry..... | 544 | 330 | 720 | 282 | 360 | 190 | 46 | 45 | 231 | .... | 55 |
| Fingerling..... | 97 | 328 | 279 | 343 | 122 | 129 | 63 | 46 | 30 | 25 | 112 |
| Yearling and Adult..... | 1 | 1 | .... | 4 | 1 | 3 | 1 | .... | .... | .... | ... |
| BASS, Smallmouth. | | | | | | | | | | | |
| Fry..... | 358 | 720 | 820 | 209 | 803 | 468 | 130 | 89 | 156 | 230 | 147 |
| Fingerling..... | 385 | 623 | 452 | 529 | 369 | 132 | 133 | 227 | 178 | 270 | 177 |
| Yearling and Adult..... | 15 | 18 | 14 | 25 | 19 | 1 | 5 | .... | 1 | 1 | ... |
| BLUEGILLS | | | | | | | | | | | |
| Fingerling..... | .... | .... | .... | 2 | .... | .... | .... | .... | .... | .... | ... |
| Adult..... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | ... |
| CHARR, French Alpine. | | | | | | | | | | | |
| Fingerling..... | .... | .... | .... | .... | 21 | .... | .... | .... | .... | .... | ... |
| Yearling..... | .... | .... | 1 | .... | .... | .... | 2 | .... | .... | .... | ... |
| Adult..... | .... | .... | .... | .... | .... | .... | 5 | .... | .... | .... | ... |
| CHARR, Pennsylvania. | | | | | | | | | | | |
| Fingerling..... | .... | .... | .... | 2 | .... | .... | .... | .... | .... | .... | ... |
| GRAYLING, Arctic. | | | | | | | | | | | |
| Yearling..... | .... | .... | .... | .... | .... | .... | .... | 26 | .... | .... | ... |
| HERRING | | | | | | | | | | | |
| Eggs..... | .... | .... | 900 | 398 | .... | 1,840 | .... | 1,068 | .... | .... | ... |
| Fry..... | 1,100 | 3,600 | 2,717 | 3,400 | 350 | .... | .... | .... | 50 | .... | ... |
| MASKINONGE | | | | | | | | | | | |
| Fry..... | 3,750 | 2,740 | 3,550 | 3,712 | 3,610 | 2,430 | 2,940 | 4,070 | 3,390 | 2,833 | 2,970 |
| Fingerling..... | 62 | 43 | 40 | 51 | 74 | 39 | 18 | 50 | 51 | 75 | 24 |
| Adult..... | .... | .... | .... | .... | .... | 1 | 1 | .... | .... | .... | ... |

QUANANICHE

[illegible]

DISTRIBUTION OF HATCHERY FISH in 000's

| SPECIES | *1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 | 1962 |
|------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|----------------|----------------|---------------|
| TROUT, Kamloops | | | | | | | | | | | |
| Eggs..... | .... | .... | 2** | 2** | 10 | 13 | 26 | 20 | .... | **3 | .. |
| Fry..... | .... | .... | .... | .... | .... | .... | 10 | .... | .... | .... | .. |
| Fingerling..... | 1 | .... | 1** | 3** | .... | 32 | 15 | 20 | 28 | .... | .. |
| Yearling..... | 73 | 108 | 141** | 83** | 78 | 123 | 95 | 95 | 79 | .... | .. |
| Adult..... | .... | .... | .... | 1** | .... | .... | 32 | 1 | .... | .... | .. |
| TROUT, Lake | | | | | | | | | | | |
| Eggs..... | .... | .... | .... | .... | 12 | .... | .... | .... | .... | .... | .. |
| Fry..... | 1,849 | 250 | .... | 28 | 10 | .... | .... | 40 | .... | 44 | 13 |
| Fingerling..... | 3,499 | 6,985 | 2,606 | 2,612 | 736 | 230 | 374 | 274 | 389 | 370 | 240 |
| Yearling..... | 231 | 172 | 415 | 241 | 320 | 39 | 832 | 634 | 653 | 715 | 989 |
| Adult..... | .... | .... | .... | .... | .... | .... | 9 | .... | .... | 8 | 1 |
| TROUT, Rainbow | | | | | | | | | | | |
| Fingerling..... | 2 | 25 | ....** | ....** | .... | .... | .... | .... | .... | 102 | 60 |
| Yearling..... | .... | 1 | ....** | ....** | .... | .... | .... | .... | .... | 229 | 291 |
| Adult..... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | 9 |
| TROUT, Brook | | | | | | | | | | | |
| Eggs..... | .... | .... | 720 | 50 | .... | 200 | .... | 580 | 49 | 30 | 494 |
| Fry..... | .... | .... | .... | .... | 35 | 91 | .... | .... | 15 | .... | .. |
| Fingerling..... | 537 | 1,963 | 166 | 842 | 1,332 | 522 | 789 | 455 | 864 | 764 | 651 |
| Yearling..... | 2,721 | 3,251 | 2,056 | 1,991 | 2,092 | 2,677 | 2,079 | 1,807 | 1,616 | 2,052 | 1,655 |
| Legal Size..... | 19 | 14 | 4 | 16 | 19 | 10 | 10 | 84 | 76 | 73 | 75 |
| WHITEFISH | | | | | | | | | | | |
| Eggs..... | .... | .... | 42,665 | 67,165 | 51,178 | 13,435 | 30,940 | 1,000 | 12,000 | 13,875 | .. |
| Fry..... | 200,400 | 186,700 | 139,210 | 102,950 | 11,130 | 67,275 | 47,515 | 44,985 | 62,993 | 53,685 | 46,575 |
| TOTAL..... | 392,272 | 479,069 | 430,780 | 286,267 | 212,410 | 180,704 | 142,682 | 89,880 | 140,342 | 102,623 | 84,401 |

*Figures for 1947-1952 Compiled on Fiscal Year Basis.

**Rainbow Trout Included in Kamloops Trout Plantings.

COMMERCIAL FISHING EQUIPMENT

| Year | Licences | | Boats | | Gill Nets | | Number of Nets | | | | Wharves and Piers | Net Sheds | Total Value \$ 000's |
|------|-----------|-------|------------|---------------|--------------|----------|----------------|-------|-------|-------|-----------------------|-----------|----------------------|
| | Gill Nets | Total | No. of Men | 40 ft. & Over | Under 40 ft. | 000'syds | Pound | Trap* | Hoop | Seine | Freezers & Ice Houses | | |
| 1946 | .... | .... | 4,244 | 107 | 2,205 | 9,090 | 1,079 | .... | 1,288 | 121 | 525 | .... | 4,764 |
| 1947 | .... | 2,421 | 4,026 | 112 | 2,009 | 8,858 | 1,135 | .... | 1,240 | 99 | 486 | .... | 5,147 |
| 1948 | .... | .... | 3,736 | 111 | 1,930 | 8,981 | 1,152 | .... | 1,324 | 92 | 477 | .... | 5,716 |
| 1949 | 1,071 | 2,675 | 3,930 | 123 | 2,039 | 9,144 | 1,182 | .... | 1,411 | 110 | 456 | .... | 5,988 |
| 1950 | 1,021 | 2,722 | 3,886 | 116 | 1,966 | 9,064 | 1,214 | .... | 1,439 | 112 | 477 | .... | 6,679 |
| 1951 | 1,063 | 2,894 | 3,833 | 126 | 1,981 | 8,944 | 1,204 | .... | 1,483 | 105 | 476 | .... | 6,985 |
| 1952 | 1,124 | 3,115 | 3,878 | 196 | 1,682 | 9,057 | 1,127 | 359 | 1,564 | 109 | 462 | 727 | 8,328 |
| 1953 | 1,098 | 3,098 | 3,807 | 215 | 1,538 | 9,312 | 1,078 | 549 | 1,570 | 101 | 493 | 827 | 8,839 |
| 1954 | 1,045 | 3,200 | 3,657 | 214 | 1,407 | 9,248 | 878 | 709 | 1,578 | 116 | 482 | 778 | 9,176 |
| 1955 | 1,066 | 3,379 | 3,483 | 224 | 1,338 | 9,304 | 787 | 822 | 1,545 | 134 | 442 | 759 | 9,226 |
| 1956 | 1,032 | 3,470 | 3,135 | 202 | 1,320 | 8,719 | 784 | 763 | 1,487 | 84 | 426 | 754 | 8,891 |
| 1957 | 1,038 | 3,684 | 3,066 | 211 | 1,321 | 8,618 | 671 | 804 | 1,462 | 91 | 412 | 709 | 8,676 |
| 1958 | 1,100 | 4,029 | 3,224 | 212 | 1,270 | 8,898 | 713 | 731 | 1,441 | 81 | 464 | 727 | 9,215 |
| 1959 | 1,117 | 4,170 | 3,527 | 234 | 1,680 | 9,718 | 723 | 739 | 1,812 | 111 | 564 | 884 | 10,557 |
| 1960 | 1,089 | 4,176 | 3,409 | 238 | 1,740 | 9,523 | 744 | 661 | 1,861 | 105 | 558 | 839 | 10,124 |
| 1961 | 1,063 | 4,563 | 3,059 | 223 | 1,541 | 9,293 | 672 | 631 | 1,778 | 97 | 521 | 773 | 10,377 |
| 1962 | 1,060 | 4,554 | 2,993 | 218 | 1,533 | 9,344 | 796 | 597 | 1,767 | 103 | 525 | 726 | 9,996 |

* Trap Nets included with Pound Nets. 1946-1951.

YIELD OF ONTARIO FISHERIES BY SPECIES, in 000's lbs and \$000's

| SPECIES | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 | 1962 | Value in 1962 |
|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------------|
| Bass, Rock; Crappies..... | 85 | 66 | 61 | 63 | 67 | 81 | 92 | 127 | 119 | 137 | \$ 25 |
| Bass, White..... | 2,197 | 6,202 | 4,589 | 5,795 | 3,589 | 1,850 | 1,444 | 3,305 | 3,413 | 2,491 | 278 |
| Bullheads..... | 865 | 837 | 824 | 843 | 762 | 635 | 480 | 467 | 363 | 423 | 64 |
| Carp..... | 1,384 | 1,428 | 1,318 | 1,906 | 1,508 | 1,350 | 1,519 | 1,124 | 1,312 | 1,124 | 86 |
| Catfish..... | 295 | 332 | 285 | 299 | 272 | 330 | 319 | 321 | 244 | 314 | 62 |
| Caviar..... | 2 | 2 | 3 | 2 | 3 | 3 | 1 | 2 | 2 | 2 | 5 |
| Chub; Tullibee..... | 845 | 920 | 988 | 923 | 796 | 1,269 | 1,576 | 1,865 | 2,993 | 2,825 | 458 |
| Eels..... | 60 | 80 | 71 | 55 | 103 | 133 | 140 | 130 | 127 | 128 | 16 |
| Gold Eyes..... | 34 | 87 | 6 | 84 | 31 | 22 | 15 | 33 | 24 | 34 | 4 |
| Herring; Ciscoe..... | 1,149 | 1,375 | 926 | 1,142 | 1,996 | 1,917 | 2,947 | 2,227 | 1,853 | 2,630 | 69 |
| Ling..... | 458 | 426 | 506 | 451 | 354 | 484 | 432 | 614 | 638 | 623 | 3 |
| Menominee, Pilots..... | 11 | 13 | 18 | 20 | 23 | 26 | 24 | 63 | 22 | 31 | 4 |
| Perch..... | 4,629 | 8,203 | 5,181 | 11,843 | 12,068 | 16,299 | 19,968 | 12,774 | 18,628 | 21,659 | 1,344 |
| Pickarel, Blue..... | 10,399 | 8,210 | 12,070 | 12,019 | 6,398 | 833 | 50 | 5 | 2 | .... | .... |
| Pickarel, Yellow..... | 4,650 | 5,196 | 6,883 | 11,673 | 10,609 | 7,825 | 4,653 | 3,702 | 3,382 | 3,708 | 1,016 |
| Pike, Northern..... | 964 | 1,148 | 913 | 904 | 914 | 1,017 | 993 | 966 | 990 | 976 | 80 |
| Saugers..... | 250 | 212 | 168 | 133 | 103 | 174 | 112 | 85 | 105 | 131 | 27 |
| Sheepshead..... | 849 | 853 | 840 | 774 | 849 | 1,817 | 1,419 | 1,539 | 1,201 | 1,117 | 24 |
| Smelt..... | 1,326 | 1,550 | 2,328 | 4,016 | 4,666 | 4,967 | 7,059 | 11,666 | 13,065 | 19,314 | 676 |
| Sturgeon..... | 193 | 172 | 160 | 138 | 174 | 243 | 179 | 184 | 195 | 133 | 131 |
| Suckers..... | 1,568 | 1,485 | 1,395 | 1,394 | 1,317 | 1,509 | 1,410 | 1,616 | 1,595 | 1,540 | 20 |
| Sunfish..... | 469 | 376 | 370 | 416 | 375 | 276 | 225 | 286 | 271 | 257 | 26 |
| Trout, Lake..... | 1,862 | 1,562 | 1,190 | 641 | 498 | 622 | 522 | 286 | 181 | 208 | 73 |
| Whitefish..... | 10,214 | 6,844 | 4,452 | 4,049 | 3,226 | 3,278 | 3,183 | 3,845 | 3,907 | 3,640 | 845 |
| Miscellaneous..... | 83 | 101 | 83 | 132 | 413 | 212 | 227 | 163 | 323 | 337 | 4 |
| TOTAL..... | 44,839 | 47,679 | 45,636 | 59,717 | 51,113 | 47,172 | 48,992 | 47,397 | 54,954 | 63,784 | .... |
| TOTAL VALUE | 7,037 | 7,013 | 6,783 | 7,928 | 7,047 | 7,274 | 4,866 | 4,933 | 5,746 | 5,341 | 5,341 |

Yield of Ontario Fisheries by Species-- LAKE ONTARIO --in 000's lbs and \$000's

| Year | Bullhead & Catfish | Carp | Eels | Lake Herring | Lake Trout | Smelt | White- fish | Yellow Pickerel | Other | Total Catch | Total Value |
|------|-----------------------|------|------|-----------------|---------------|-------|----------------|--------------------|-------|----------------|----------------|
| 1941 | 88 | 150 | 16 | 1,922 | 126 | ... | 442 | 7 | 375 | 3,126 | \$ 193 |
| 1942 | 61 | 220 | 16 | 1,087 | 90 | ... | 442 | 11 | 561 | 2,488 | 156 |
| 1943 | 147 | 201 | 35 | 857 | 76 | ... | 329 | 43 | 623 | 2,311 | ... |
| 1944 | 179 | 216 | 40 | 1,018 | 74 | ... | 461 | 48 | 601 | 2,637 | 425 |
| 1945 | 229 | 179 | 44 | 760 | 105 | ... | 359 | 34 | 628 | 2,338 | 385 |
| 1946 | 288 | 197 | 35 | 413 | 102 | ... | 398 | 45 | 581 | 2,059 | 317 |
| 1947 | 301 | 119 | 33 | 573 | 64 | ... | 358 | 40 | 514 | 2,002 | 312 |
| 1948 | 433 | 208 | 40 | 480 | 42 | ... | 237 | 30 | 575 | 2,045 | 290 |
| 1949 | 498 | 181 | 46 | 324 | 22 | ... | 219 | 28 | 678 | 2,006 | 258 |
| 1950 | 520 | 242 | 29 | 225 | 15 | ... | 419 | 34 | 735 | 2,219 | 309 |
| 1951 | 470 | 217 | 48 | 197 | 40 | ... | 385 | 90 | 963 | 2,410 | 424 |
| 1952 | 478 | 253 | 65 | 111 | 32 | 225 | 417 | 103 | 597 | 2,281 | 393 |
| 1953 | 417 | 371 | 57 | 73 | 14 | 282 | 207 | 75 | 563 | 2,059 | 284 |
| 1954 | 376 | 309 | 78 | 70 | 7 | 265 | 228 | 114 | 467 | 1,914 | 268 |
| 1955 | 386 | 318 | 68 | 29 | 4 | 238 | 340 | 124 | 436 | 1,943 | 313 |
| 1956 | 440 | 616 | 50 | 38 | 2 | 269 | 593 | 121 | 498 | 2,627 | 429 |
| 1957 | 394 | 314 | 100 | 84 | 1 | 177 | 301 | 118 | 508 | 1,997 | 328 |
| 1958 | 353 | 323 | 129 | 53 | 1 | 295 | 340 | 166 | 438 | 2,098 | 406 |
| 1959 | 311 | 536 | 136 | 52 | 1 | 208 | 335 | 151 | 321 | 2,051 | 393 |
| 1960 | 280 | 310 | 128 | 74 | 1 | 188 | 397 | 126 | 454 | 1,958 | 355 |
| 1961 | 199 | 314 | 125 | 51 | 3 | 223 | 572 | 125 | 497 | 2,109 | 397 |
| 1962 | 203 | 248 | 125 | 27 | 1 | 202 | 355 | 106 | 483 | 1,750 | 331 |

Yield of Ontario Fisheries by Species-- LAKE ERIE --in 000's lbs and \$000's

| Year | Blue Pickerel | Lake Herring | Yellow Perch | Sheeps- head | Smelt | White Bass | White- Fish | Yellow Pickerel | Other | Total Catch | Total Value |
|------|------------------|-----------------|-----------------|-----------------|--------|---------------|----------------|--------------------|-------|----------------|----------------|
| 1941 | 1,544 | 116 | 2,050 | ..... | ..... | ..... | 3,359 | 347 | 1,535 | 8,951 | \$ 657 |
| 1942 | 4,405 | 62 | 965 | ..... | ..... | ..... | 2,524 | 421 | 1,661 | 10,038 | 660 |
| 1943 | 9,614 | 56 | 711 | ..... | ..... | ..... | 1,481 | 453 | 2,168 | 14,483 | 2,132 |
| 1944 | 9,390 | 336 | 1,373 | ..... | ..... | ..... | 1,259 | 776 | 2,122 | 15,256 | 1,891 |
| 1945 | 6,559 | 6,445 | 1,206 | ..... | ..... | ..... | 1,689 | 1,068 | 1,983 | 18,950 | 3,699 |
| 1946 | 1,909 | 9,525 | 2,418 | ..... | ..... | ..... | 1,932 | 739 | 2,402 | 18,925 | 3,089 |
| 1947 | 1,646 | 2,484 | 2,252 | ..... | ..... | ..... | 2,726 | 793 | 2,433 | 12,334 | 2,676 |
| 1948 | 5,742 | 603 | 1,939 | ..... | ..... | ..... | 3,800 | 799 | 2,043 | 14,926 | 3,025 |
| 1949 | 9,784 | 393 | 2,279 | ..... | ..... | ..... | 3,620 | 849 | 2,168 | 19,093 | 2,950 |
| 1950 | 8,611 | 645 | 2,166 | ..... | ..... | ..... | 1,390 | 1,252 | 2,802 | 16,866 | 3,149 |
| 1951 | 3,914 | 323 | 2,758 | ..... | ..... | ..... | 1,130 | 1,522 | 3,497 | 13,144 | 2,892 |
| 1952 | 7,267 | 329 | 2,204 | 1,073 | 374 | 1,422 | 1,424 | 2,167 | 1,157 | 17,417 | 3,249 |
| 1953 | 10,333 | 234 | 3,973 | 772 | 1,030 | 2,161 | 1,641 | 2,288 | 957 | 23,389 | 3,089 |
| 1954 | 8,151 | 281 | 7,749 | 773 | 1,266 | 6,153 | 556 | 2,925 | 1,058 | 28,912 | 3,407 |
| 1955 | 12,037 | 96 | 4,753 | 786 | 2,040 | 4,505 | 399 | 4,773 | 896 | 30,285 | 3,842 |
| 1956 | 12,002 | 194 | 11,573 | 713 | 3,694 | 5,715 | 542 | 9,275 | 974 | 44,682 | 5,434 |
| 1957 | 6,389 | 104 | 11,894 | 789 | 4,473 | 3,538 | 536 | 8,294 | 1,088 | 37,105 | 4,848 |
| 1958 | 824 | 62 | 15,410 | 1,727 | 4,656 | 1,813 | 383 | 5,073 | 803 | 30,751 | 4,662 |
| 1959 | 47 | 39 | 19,606 | 1,328 | 6,843 | 1,406 | 87 | 1,384 | 857 | 31,597 | 2,200 |
| 1960 | 4 | 6 | 11,654 | 1,468 | 11,467 | 3,255 | 21 | 619 | 725 | 29,219 | 2,060 |
| 1961 | 1 | 3 | 17,284 | 1,116 | 12,835 | 3,334 | 9 | 269 | 847 | 35,698 | 2,507 |
| 1962 | ..... | 2 | 20,859 | 1,037 | 19,108 | 2,349 | 10 | 284 | 818 | 44,465 | 2,353 |

Yield of Ontario Fisheries by Species-- LAKE HURON (PROPER) --in 000's lbs and \$000's

| Year | Chub | Lake Herring | Lake Trout | Yellow Perch | Sturgeon & Caviar | Suckers | White-Fish | Yellow Pickerel | Other | Total Catch | Total Value |
|------|-------|--------------|------------|--------------|-------------------|---------|------------|-----------------|-------|-------------|-------------|
| 1941 | 233 | 189 | 1,110 | 209 | 6 | ... | 93 | 195 | 113 | 2,148 | \$ 195 |
| 1942 | 227 | 362 | 800 | 311 | 6 | ... | 114 | 176 | 90 | 2,081 | 173 |
| 1943 | 242 | 329 | 517 | 355 | 3 | ... | 113 | 167 | 105 | 1,836 | 362 |
| 1944 | 258 | 129 | 314 | 317 | 5 | ... | 142 | 154 | 141 | 1,460 | 272 |
| 1945 | 292 | 100 | 117 | 239 | 4 | ... | 66 | 138 | 115 | 1,071 | 230 |
| 1946 | 89 | 104 | 30 | 336 | 7 | ... | 158 | 122 | 108 | 954 | 151 |
| 1947 | 113 | 217 | 7 | 219 | 8 | ... | 292 | 171 | 80 | 1,107 | 211 |
| 1948 | 188 | 125 | 10 | 147 | 6 | ... | 538 | 225 | 201 | 1,440 | 348 |
| 1949 | 207 | 135 | 3 | 231 | 8 | ... | 243 | 205 | 228 | 1,260 | 246 |
| 1950 | 129 | 128 | ..... | 359 | 8 | ... | 226 | 240 | 123 | 1,213 | 238 |
| 1951 | 109 | 116 | ..... | 431 | 8 | ... | 225 | 254 | 164 | 1,307 | 318 |
| 1952 | 88 | 107 | ..... | 362 | 6 | 84 | 284 | 218 | 55 | 1,204 | 267 |
| 1953 | 280 | 71 | ..... | 496 | 5 | 50 | 180 | 307 | 52 | 1,441 | 277 |
| 1954 | 454 | 44 | ..... | 329 | 7 | 77 | 271 | 231 | 79 | 1,492 | 326 |
| 1955 | 417 | 54 | ..... | 323 | 6 | 111 | 258 | 211 | 89 | 1,469 | 324 |
| 1956 | 461 | 39 | ..... | 155 | 11 | 86 | 216 | 333 | 162 | 1,463 | 287 |
| 1957 | 321 | 20 | ..... | 65 | 46 | 61 | 89 | 266 | 120 | 988 | 290 |
| 1958 | 624 | 19 | ..... | 719 | 26 | 70 | 156 | 245 | 164 | 2,023 | 433 |
| 1959 | 1,082 | 13 | ..... | 236 | 12 | 75 | 229 | 331 | 225 | 2,203 | 514 |
| 1960 | 1,302 | 17 | ..... | 859 | 6 | 65 | 827 | 230 | 183 | 3,489 | 908 |
| 1961 | 2,342 | 17 | ..... | 1,072 | 9 | 193 | 812 | 217 | 97 | 4,759 | 1,204 |
| 1962 | 2,180 | 25 | ..... | 583 | 7 | 73 | 349 | 263 | 95 | 3,575 | 802 |

Yield of Ontario Fisheries by Species-- GEORGIAN BAY --in 000's lbs and \$000's

| Year | Carp | Chub | Lake Herring | Lake Trout | Northern Pike | Sturgeon | White-Fish | Yellow Pickerel | Other | Total Catch | Total Value |
|------|------|------|--------------|------------|---------------|----------|------------|-----------------|-------|-------------|-------------|
| 1941 | 47 | 203 | 64 | 1,502 | 25 | 1 | 748 | 57 | 87 | 2,734 | \$ 276 |
| 1942 | 30 | 58 | 52 | 1,274 | 36 | ... | 584 | 55 | 74 | 2,163 | 223 |
| 1943 | 24 | 69 | 168 | 1,066 | 34 | ... | 442 | 69 | 138 | 2,010 | 485 |
| 1944 | 19 | 110 | 55 | 815 | 30 | 1 | 364 | 56 | 95 | 1,545 | 380 |
| 1945 | 38 | 104 | 103 | 738 | 25 | 1 | 279 | 38 | 198 | 1,524 | 389 |
| 1946 | 46 | 25 | 21 | 696 | 25 | 1 | 246 | 44 | 188 | 1,292 | 332 |
| 1947 | 21 | 21 | 15 | 368 | 7 | ... | 87 | 21 | 126 | 666 | 181 |
| 1948 | 39 | 48 | 17 | 312 | 19 | 1 | 245 | 160 | 72 | 913 | 268 |
| 1949 | 42 | 50 | 28 | 343 | 22 | 1 | 805 | 206 | 66 | 1,563 | 465 |
| 1950 | 35 | 72 | 63 | 351 | 12 | 1 | 2,189 | 133 | 56 | 2,912 | 800 |
| 1951 | 35 | 74 | 26 | 480 | 8 | 2 | 3,203 | 69 | 40 | 3,937 | 1,450 |
| 1952 | 29 | 42 | 35 | 550 | 14 | 1 | 5,217 | 52 | 36 | 5,976 | 1,545 |
| 1953 | 37 | 128 | 15 | 323 | 20 | 1 | 6,242 | 94 | 57 | 6,917 | 1,737 |
| 1954 | 96 | 123 | 12 | 154 | 18 | 2 | 3,743 | 109 | 60 | 4,317 | 1,450 |
| 1955 | 110 | 64 | 12 | 67 | 19 | 4 | 1,634 | 117 | 46 | 2,073 | 845 |
| 1956 | 73 | 70 | 17 | 48 | 15 | 5 | 670 | 77 | 110 | 1,085 | 366 |
| 1957 | 95 | 140 | 10 | 19 | 7 | 4 | 248 | 38 | 57 | 618 | 201 |
| 1958 | 77 | 109 | 4 | 11 | 7 | 3 | 90 | 29 | 32 | 362 | 98 |
| 1959 | 22 | 3 | 3 | 1 | 6 | 3 | 49 | 62 | 52 | 201 | 61 |
| 1960 | 37 | 29 | 2 | 1 | 4 | 2 | 57 | 40 | 47 | 219 | 61 |
| 1961 | 13 | 31 | 1 | 1 | 6 | 1 | 96 | 33 | 19 | 201 | 61 |
| 1962 | 21 | 82 | 1 | ..... | 10 | 2 | 130 | 61 | 41 | 348 | 95 |

Yield of Ontario Fisheries by Species-- LAKE SUPERIOR --in 000's lbs and \$000's

| Year | Chub | Lake Herring | Lake Trout | Menominee | Sauger | Sturgeon | White- Fish | Yellow Pickerel | Other | Total Catch | Total Value |
|------|------|-----------------|---------------|-----------|--------|----------|----------------|--------------------|-------|----------------|----------------|
| 1941 | 81 | 1,433 | 1,298 | ... | .... | 2 | 315 | 115 | 192 | 3,436 | \$ 274 |
| 1942 | 11 | 1,392 | 1,361 | ... | .... | 2 | 320 | 92 | 184 | 3,362 | 272 |
| 1943 | 48 | 1,290 | 1,323 | ... | .... | 2 | 336 | 188 | 160 | 3,347 | 511 |
| 1944 | 53 | 1,481 | 1,553 | ... | .... | 1 | 403 | 96 | 174 | 3,761 | 530 |
| 1945 | 57 | 1,708 | 1,479 | ... | .... | 1 | 359 | 98 | 110 | 3,812 | 696 |
| 1946 | 33 | 1,511 | 1,531 | ... | .... | 2 | 275 | 120 | 117 | 3,589 | 639 |
| 1947 | 33 | 1,017 | 1,286 | ... | .... | 1 | 246 | 155 | 92 | 2,830 | 503 |
| 1948 | 30 | 1,295 | 1,447 | ... | .... | 1 | 306 | 116 | 176 | 3,371 | 675 |
| 1949 | 12 | 1,255 | 1,356 | ... | .... | 1 | 277 | 125 | 162 | 3,188 | 561 |
| 1950 | 29 | 505 | 1,506 | ... | .... | 1 | 341 | 145 | 128 | 2,655 | 626 |
| 1951 | 45 | 763 | 1,273 | ... | .... | 2 | 341 | 200 | 227 | 2,851 | 641 |
| 1952 | 94 | 993 | 1,389 | 16 | 124 | 2 | 268 | 163 | 78 | 3,127 | 661 |
| 1953 | 88 | 745 | 1,371 | 8 | 38 | 4 | 282 | 158 | 77 | 2,771 | 590 |
| 1954 | 91 | 920 | 1,266 | 6 | 72 | 5 | 328 | 135 | 67 | 2,890 | 565 |
| 1955 | 312 | 708 | 1,003 | 6 | 49 | 6 | 254 | 130 | 72 | 2,540 | 523 |
| 1956 | 112 | 821 | 527 | 12 | 69 | 3 | 303 | 186 | 112 | 2,145 | 389 |
| 1957 | 148 | 1,696 | 324 | 12 | 57 | 6 | 285 | 217 | 52 | 2,797 | 344 |
| 1958 | 125 | 1,744 | 366 | 11 | 100 | 6 | 287 | 164 | 68 | 2,871 | 376 |
| 1959 | 117 | 2,833 | 238 | 17 | 68 | 5 | 210 | 271 | 91 | 3,850 | 377 |
| 1960 | 103 | 2,117 | 122 | 54 | 19 | 11 | 99 | 249 | 54 | 2,828 | 270 |
| 1961 | 81 | 1,777 | 48 | 7 | 38 | 8 | 119 | 227 | 48 | 2,353 | 214 |
| 1962 | 69 | 2,570 | 70 | 10 | 52 | 3 | 148 | 174 | 50 | 3,146 | 239 |

Yield of Ontario Fisheries by Species-- NORTHERN INLAND --in 000's lbs and \$000's

| Year | Goldeye | Lake Trout | Northern Pike | Sauger | Sturgeon & Caviar | Tullibee | White-fish | Yellow Pickerel | Other | Total Catch | Total Value |
|------|---------|------------|---------------|--------|-------------------|----------|------------|-----------------|-------|-------------|-------------|
| 1941 | .... | 165 | 869 | .. | 59 | 117 | 1,328 | 1,494 | 472 | 4,504 | \$ 429 |
| 1942 | .... | 197 | 950 | .. | 54 | 118 | 1,366 | 1,431 | 454 | 4,570 | 466 |
| 1943 | .... | 228 | 889 | .. | 97 | 221 | 1,435 | 1,503 | 588 | 4,961 | 687 |
| 1944 | .... | 183 | 831 | .. | 120 | 170 | 1,544 | 1,655 | 461 | 4,964 | 744 |
| 1945 | .... | 142 | 830 | .. | 108 | 240 | 1,490 | 1,556 | 674 | 5,040 | 898 |
| 1946 | .... | 148 | 744 | .. | 146 | 162 | 1,417 | 1,621 | 481 | 4,719 | 896 |
| 1947 | .... | 151 | 898 | 11 | 136 | 138 | 1,156 | 1,688 | 624 | 4,802 | 777 |
| 1948 | 28 | 144 | 806 | 6 | 145 | 139 | 1,268 | 1,636 | 457 | 4,629 | 905 |
| 1949 | 50 | 94 | 909 | .. | 139 | 169 | 1,627 | 1,706 | 560 | 5,254 | 764 |
| 1950 | 84 | 106 | 784 | .. | 122 | 170 | 1,738 | 1,597 | 628 | 5,229 | 881 |
| 1951 | 114 | 110 | 915 | 28 | 99 | 210 | 1,733 | 1,801 | 718 | 5,728 | 1,035 |
| 1952 | 102 | 172 | 965 | 31 | 137 | 241 | 1,759 | 1,847 | 967 | 6,221 | 1,072 |
| 1953 | 34 | 133 | 831 | 48 | 105 | 329 | 1,604 | 1,606 | 1,390 | 6,080 | 795 |
| 1954 | 87 | 120 | 1,008 | 37 | 81 | 243 | 1,674 | 1,568 | 1,262 | 6,080 | 789 |
| 1955 | 6 | 110 | 824 | 44 | 71 | 192 | 1,497 | 1,437 | 1,446 | 5,627 | 732 |
| 1956 | 84 | 62 | 773 | 46 | 71 | 274 | 1,643 | 1,593 | 1,332 | 5,878 | 823 |
| 1957 | 31 | 153 | 820 | 29 | 83 | 184 | 1,658 | 1,572 | 1,234 | 5,764 | 815 |
| 1958 | 22 | 244 | 923 | 58 | 149 | 411 | 1,855 | 2,048 | 1,606 | 7,316 | 1,039 |
| 1959 | 15 | 282 | 923 | 40 | 114 | 373 | 2,203 | 2,323 | 1,344 | 7,617 | 1,090 |
| 1960 | 33 | 161 | 878 | 58 | 121 | 430 | 2,409 | 2,258 | 1,886 | 8,234 | 1,035 |
| 1961 | 24 | 129 | 842 | 61 | 119 | 539 | 2,180 | 2,262 | 1,810 | 7,966 | 1,019 |
| 1962 | 34 | 137 | 850 | 78 | 80 | 494 | 2,544 | 2,539 | 1,816 | 8,572 | 1,171 |

YIELD OF ONTARIO FISHERIES BY WATERS in 000's lbs and \$000's

| Year | Lake Ontario | Lake Erie | Lake St. Clair | Lake Huron | Georgian Bay | North Channel | Lake Superior | Northern Inland | Southern Inland | Total | Value \$'000 |
|------|--------------|-----------|----------------|------------|--------------|---------------|---------------|-----------------|-----------------|--------|--------------|
| 1941 | 3,126 | 8,951 | 992 | 2,148 | 2,734 | 542 | 3,436 | 4,504 | 517 | 26,950 | 2,147 |
| 1942 | 2,488 | 10,038 | 598 | 1,081 | 2,163 | 535 | 3,362 | 4,570 | 546 | 26,381 | 3,372 |
| 1943 | 2,281 | 14,483 | 487 | 1,836 | 2,010 | 572 | 3,347 | 4,961 | 618 | 30,595 | 4,704 |
| 1944 | 2,637 | 15,256 | 449 | 1,460 | 1,545 | 487 | 3,761 | 4,964 | 482 | 30,041 | 4,389 |
| 1945 | 2,338 | 18,950 | 503 | 1,071 | 1,524 | 434 | 3,812 | 5,040 | 606 | 34,278 | 6,484 |
| 1946 | 2,059 | 18,925 | 493 | 954 | 1,292 | 290 | 3,589 | 4,719 | 679 | 33,000 | 5,597 |
| 1947 | 2,002 | 12,334 | 466 | 1,107 | 666 | 267 | 2,830 | 4,802 | 448 | 24,922 | 4,803 |
| 1948 | 2,046 | 14,926 | 437 | 1,440 | 913 | 445 | 3,371 | 4,629 | 735 | 28,942 | 5,735 |
| 1949 | 2,006 | 19,093 | 540 | 1,260 | 1,563 | 550 | 3,188 | 5,254 | 607 | 34,061 | 5,497 |
| 1950 | 2,219 | 16,866 | 469 | 1,301 | 2,794 | 668 | 2,655 | 5,229 | 555 | 32,756 | 6,252 |
| 1951 | 2,411 | 13,114 | 389 | 1,474 | 3,720 | 548 | 2,851 | 5,728 | 707 | 30,972 | 7,044 |
| 1952 | 2,281 | 17,417 | 792 | 1,736 | 5,359 | 433 | 3,127 | 6,221 | 678 | 38,044 | 7,417 |
| 1953 | 2,059 | 23,389 | 983 | 1,396 | 6,876 | 458 | 2,771 | 6,080 | 827 | 44,839 | 7,037 |
| 1954 | 1,914 | 28,912 | 1,021 | 1,463 | 4,292 | 395 | 2,890 | 6,080 | 712 | 47,679 | 7,013 |
| 1955 | 1,943 | 30,285 | 822 | 1,262 | 2,298 | 244 | 2,540 | 5,627 | 615 | 45,636 | 6,783 |
| 1956 | 2,627 | 44,682 | 1,029 | 1,463 | 1,113 | 187 | 2,145 | 5,878 | 593 | 59,717 | 7,928 |
| 1957 | 1,997 | 37,105 | 1,113 | 988 | 664 | 191 | 2,797 | 5,764 | 493 | 51,113 | 7,047 |
| 1958 | 2,098 | 30,751 | 907 | 2,023 | 407 | 255 | 2,871 | 7,316 | 544 | 47,172 | 7,274 |
| 1959 | 2,051 | 31,597 | 845 | 2,203 | 225 | 171 | 3,850 | 7,617 | 432 | 48,992 | 4,866 |
| 1960 | 1,958 | 29,219 | 659 | 3,489 | 218 | 206 | 2,828 | 8,234 | 586 | 47,397 | 4,933 |
| 1961 | 2,109 | 35,698 | 877 | 4,759 | 201 | 246 | 2,353 | 7,966 | 746 | 54,954 | 5,746 |
| 1962 | 1,750 | 44,465 | 1,031 | 3,575 | 348 | 252 | 3,146 | 8,572 | 644 | 63,784 | 5,341 |

HUNTER SAFETY TRAINING PROGRAM*

| Year | ACTIVE INSTRUCTORS at December 31 | STUDENTS GRADUATED | | HUNTING ACCIDENTS | | |
|--------|---|-----------------------|---------|----------------------|------------|-------|
| | | Yearly | To Date | Non Fatal | Fa- tal | Total |
| 1957 | 369 | 281 | 281 | ... | .. | ... |
| 1958 | 1,433 | 1,668 | 1,949 | ... | .. | ... |
| 1959 | 2,690 | 2,780 | 4,729 | | | |
| 1960 | 4,160 | 10,917 | 15,646 | 118 | 36 | 154 |
| 1961 | 3,784 | 15,267 | 30,913 | 104 | 22 | 126 |
| 1962 | 3,527 | 15,082 | 45,995 | 109 | 17 | 126 |
| 1963** | 3,132 | 20,387 | 66,382 | 103 | 15 | 118 |

MAIN CAUSES OF ACCIDENTS, 1962

| | | | |
|---|----|---|----|
| Victim mistaken for game | 12 | 3 | 15 |
| Victim out of sight of shooter | 18 | - | 18 |
| Victim moved in line of fire | 11 | 5 | 16 |
| Victim covered by shooter swinging on game . | 5 | - | 5 |
| Shooter stumbled and fell | 20 | - | 20 |
| Crossing fence, etc., with loaded weapon | 2 | 2 | 4 |
| Trigger caught on brush, etc. | 9 | - | 9 |
| Loading and unloading weapon | 4 | 2 | 6 |
| Loaded weapon in vehicle | 5 | 1 | 6 |
| "Horseplay", didn't know weapon loaded, etc. | 5 | 2 | 7 |
| Defective weapon | 5 | 2 | 7 |
| Miscellaneous | 13 | - | 13 |

*Mandatory for new hunters since September 1st, 1960.

**Preliminary Report

CORRECTIONS

[illegible]

NEW POLICIES

FOREST PROTECTION BRANCH

The first legislation on forest protection was placed in the statutes in 1878 as "An Act to Preserve the Forests from Destruction by Fire".

The late Aubrey White, Deputy Minister from 1887 to 1915, is regarded as the father of forest protection as the term is understood today. His extensive report on forest fire losses on March 30th, 1885, led to Ontario's first system of fire ranging, instituted in 1885. The expenses were shared by the province and licensees.

In the annual report for the following year, Mr. White stated: "Last year was the first year of the experiment which was found to work in a satisfactory manner to the Department as well as to the licensees... the net expense to the province was under \$5,000." Mr. White asked for \$8,000 for his new budget.

In 1897, fire rangers were placed on unlicensed Crown Lands at public expense. In 1910, licensees were assessed the full costs of fire ranging on limits.

The Forest Fires Prevention Act of 1917 established the Fire Permit system to control settlers' fires. The Crown Timber Act of the same year established the fire tax, an annual per-acre protection charge on licensed lands.

In 1948, The Forest Fires Prevention Act was rewritten in its present form; minor amendments have been made from time to time.

ORGANIZATION

In 1917, the fire ranging service was transferred from Woods and Forests Branch to the Provincial Forester, a new position created under E. J. Zavitz. In 1924, the Provincial Air Service was established. In 1934, forest ranging was combined with fire ranging.

In 1941, Forest Protection and Air Service were established as separate Divisions under C. R. Mills and G. E. Ponsford, respectively. J. A. Brodie acted for Mr. Mills during his absence on war service.

T. E. Mackey was appointed Chief of Forest Protection on November 1st, 1946. He retired on June 13th, 1963.

Forest Protection and Air Service were joined as Branches under Mr. Mackey within the Division of Forest Protection on December 1st, 1957. Exactly two years later, the units were termed Sections and Branch, respectively.

FOREST PROTECTION BRANCH

Assistant Chief: J.M. WHALEN

FOREST PROTECTION SECTION

Supervisor: W.T. Foster

Fire Prevention and Control
Forest Insects and Disease
Improvements and Equipment
Radio and Telephone Communications
Records Statistics
Clerical and Stenographic Staff

AIR SERVICE SECTION (Sault Ste. Marie)

Supervisor: W.B. Buckworth

Procurement, Operation and Maintenance of
fleet of aircraft
Supervisory Personnel

TECHNICAL DEVELOPMENTS

Portable pumps, powered by motors, were used for the first time in 1917.

Early experiments with radio communications began at Sudbury, but the first organized radio service was established in 1927 in the Red Lake Division of what is now Sioux Lookout District. In 1935, V. H. F. radio equipment was installed in towers. In 1939, aircraft were fitted with radio. In 1949, the province-wide network was completed with the "key" station at Maple.

Suppression crews were first carried on routine air patrols in 1952.

Helicopters were used throughout the fire season for the first time in 1953.

The bad fire year of 1955 resulted in the first large-scale attack on fires in the modern manner. The suppression action featured mobility of resources.

In 1961, a total of 70 aircraft were engaged at various periods in suppressing Sioux Lookout fires.

The Forest Insect Laboratory was completed at Sault Ste. Marie in 1946. The Laboratory of Forest Pathology was completed at the Southern Research Station in Maple in 1953.

HISTORIC FIRES

1855 - Fires burned eastward to Lake Temiskaming, up the Monteith River to its source and westward along the height of land to Michipicoten on Lake Superior.

1864 - Fires burned from Thessalon to Lake Nipissing.

1871 - Fires burned over 2,000 square miles along the French River and Lake Nipissing, up the Sturgeon River, west to the Spanish and Mississagi head waters and down the Mississagi River for 50 miles.

1901 - Fires burned over more than 3,000 square miles south and west from Lake Kesagami.

BAUDETTE-RAINY RIVER, 1910 - Hurricane winds swept four fires (one caused by settlers and three by locomotives) over 300 square miles; 42 persons were killed.

PORCUPINE, 1911 - This fire burned over 864 square miles, taking 73 lives and causing \$3,000,000 property damage.

MATHESON, 1916 - The death toll was 223 as more than 1,000 square miles burned; property damage: \$2,000,000.

HAILEYBURY, 1922 - Over 2,000 square miles were burned over; 44 lives were lost; property damage was \$6,000,000.

GARDEN LAKE, 1930 - A camp fire, fanned by a gale, burned 70 miles in 36 hours in a strip from two to four miles wide.

HISTORIC FIRES (Continued)

FORT FRANCES, 1938 - Approximately 300 small clearing fires, fanned by high winds, joined to make four large fires which destroyed 93,000 acres and killed 20 persons.

GOGAMA, 1941 - A merger of three fires (believed to be incendiary in origin) burned over 330,000 acres.

MISSISSAGI, 1948 - - An unguarded road clearing fire (near Chapleau) and fire deep in the bush (believed started by a trapper) burned over 645,450 acres. Prompt action salvaged 312,649,422 board feet of lumber (estimated mill scale) and 123,099 cords of pulpwood.

SIOUX LOOKOUT, 1961 - Following a three-year drought, dry lightning storms and high winds caused fires between Lake Nipigon and Manitoba. In four weeks beginning June 15th, 12 fires burned over 1,125,000 acres in areas accessible only by aircraft.

AIR SERVICE SECTION

The Provincial Air Service began in 1924 with the purchase of twenty HS2L flying boats; 2,500 hours were flown the first year. Bases were opened at strategic points throughout the forest area and fuel caches were located at appropriate intervals. W. Roy Maxwell, previously with Laurentide Air Service, was appointed as first Director.

George E. Ponsford, widely experienced in both war and peacetime flying, became Director in 1934.

The most important additions to the fleet were 16 D.H. Moth seaplanes, first purchased in 1927; Vickers Vedette amphibians, 1929; four Hamilton seaplanes, 1930; four Fairchild seaplanes, 1930; four Buhls, 1935; nine Stinson gull wings, 1937; and 15 Norseman seaplanes, purchased from 1944 to 1952.

The purchase of the first Beaver aircraft in 1948 (see Aircraft Service Record) was the beginning of a new efficiency in flying operations. The Beaver and the larger model, the Otter, were designed and built to meet Department requirements. Their success in Ontario has led to their establishment in many parts of the world.

Eight Beavers have been sold and others have been lost in service: at Geraldton in 1950; at Temagami in 1951; at Dryden in 1952; at Lauzon Lake in 1953; at Ear Falls in 1959.

An Otter was written off in north-western fire area in 1961.

In spite of unfavourable flying conditions, only 26 aircraft have been written off. The last of 19 flying fatalities occurred in May, 1952.

The development of water-dropping equipment, begun in 1945, was culminated in 1957 with the successful use of water tanks mounted on aircraft floats. By 1958, all Service aircraft were equipped with tanks which have proved to be very valuable in suppression operations. The newest tanks are streamlined and operate automatically. In 1961, they were modified to turn inwardly.

W. B. Buckworth was appointed Supervisor on February 19, 1962.

ESTIMATED FIRE DAMAGE

| Year | TIMBER DAMAGE (000's Cu. Ft.) | | | TIMBER DAMAGE (Crown Dues, Only) | | | DAMAGE TO REPRODUCTION* | | | TOTAL DAMAGE | PRIVATE PROPERTY DAMAGE |
|------|----------------------------------|---------|-----------|-------------------------------------|----------|------------|-------------------------|----------|-----------|-----------------|-------------------------------|
| | Crown | Private | Total | Crown | Private | Total | Crown | Private | Total | | |
| 1950 | 1,624 | 1,937 | 3,561 | \$ 16,244 | \$19,365 | \$ 35,609 | \$ 8,611 | \$10,927 | \$ 19,538 | \$ 55,148 | \$103,682 |
| 1951 | 29,401 | 188 | 29,590 | 294,015 | 1,880 | 295,895 | 92,431 | 1,121 | 93,552 | 389,447 | 56,389 |
| 1952 | 1,401 | 577 | 1,978 | 14,013 | 5,769 | 19,782 | 9,169 | 553 | 9,722 | 29,504 | 31,347 |
| 1953 | 27,934 | 1,688 | 29,622 | 279,340 | 16,880 | 296,220 | 87,811 | 9,843 | 97,654 | 393,874 | 81,778 |
| 1954 | 24,825 | 84 | 24,909 | 248,249 | 838 | 249,087 | 156,362 | 793 | 157,154 | 406,241 | 15,650 |
| 1955 | 267,186 | 587 | 267,773 | 2,671,857 | 5,870 | 2,677,727 | 900,331 | 13,622 | 913,953 | 3,591,680 | 184,940 |
| 1956 | 155,305 | 74 | 155,378 | 2,868,133 | 2,118 | 2,870,251 | 195,491 | 2,411 | 197,901 | 3,068,152 | 22,319 |
| 1957 | 20,107 | 1,014 | 21,121 | 406,376 | 21,876 | 428,252 | 23,086 | 11,722 | 34,808 | 463,059 | 113,751 |
| 1958 | 8,721 | 2,465 | 11,186 | 173,377 | 49,309 | 222,685 | 53,576 | 35,242 | 88,818 | 311,503 | 97,036 |
| 1959 | 680 | 42 | 722 | 13,882 | 826 | 14,709 | 2,579 | 4,752 | 7,332 | 22,041 | 20,757 |
| 1960 | 21,293 | 123 | 21,416 | 425,860 | 2,470 | 428,330 | 8,337 | 1,427 | 9,764 | 438,094 | 56,442 |
| 1961 | 1,595,447 | 750 | 1,596,196 | 31,908,935 | 14,993 | 31,923,928 | 62,187 | 3,687 | 65,874 | \$31,989,802 | 152,638 |
| 1962 | 2,440 | 83 | 2,523 | 48,794 | 1,669 | 50,462 | 10,740 | 13,546 | 24,285 | 74,748 | 99,165 |

* Protection Charges, 1950-1955.

\$ Most of this timber was inaccessible.

FOREST FIRE SUMMARY

| Year | NUMBER OF ACRES BURNED OVER | | | Number Of Fires | Average Acreage |
|-------|-----------------------------|---------|-----------|--------------------|--------------------|
| | Crown | Private | Total | | |
| 1917 | ..... | ..... | 384,164 | 1,110 | 346 |
| 1918 | ..... | ..... | 30,172 | 965 | 31 |
| 1919 | ..... | ..... | 922,161 | 1,780 | 518 |
| 1920 | ..... | ..... | 358,851 | 1,287 | 279 |
| 1921 | ..... | ..... | 749,534 | 1,269 | 591 |
| 1922 | ..... | ..... | 346,193 | 1,021 | 339 |
| 1923 | ..... | ..... | 2,120,148 | 1,343 | 1,579 |
| 1924 | ..... | ..... | 146,017 | 851 | 171 |
| 1925 | ..... | ..... | 189,543 | 1,149 | 165 |
| 1926 | 65,888 | 22,486 | 88,374 | 1,110 | 80 |
| 1927 | 22,772 | 12,970 | 35,742 | 924 | 39 |
| 1928 | 96,436 | 3,947 | 100,383 | 536 | 189 |
| 1929 | 608,750 | 16,893 | 625,643 | 1,550 | 404 |
| 1930 | 357,531 | 354,278 | 711,809 | 1,402 | 508 |
| 1931 | 105,866 | 32,421 | 138,287 | 1,851 | 75 |
| 1932 | 626,555 | 52,466 | 679,021 | 2,073 | 328 |
| 1933 | 325,034 | 24,924 | 349,958 | 1,919 | 182 |
| 1934 | 160,348 | 38,285 | 198,633 | 1,568 | 127 |
| 1935 | 183,179 | 67,483 | 250,662 | 1,309 | 191 |
| 1936 | 1,153,876 | 110,557 | 1,264,433 | 2,264 | 558 |
| 1937 | 201,887 | 22,859 | 224,746 | 1,453 | 155 |
| 1938 | 96,168 | 42,077 | 138,245 | 1,292 | 107 |
| 1939 | 26,089 | 3,009 | 29,098 | 961 | 30 |
| 1940 | 100,990 | 20,624 | 121,614 | 1,014 | 120 |
| 1941 | 271,793 | 394,754 | 666,547 | 1,265 | 527 |
| 1942 | 77,709 | 36,007 | 113,716 | 1,224 | 93 |
| 1943 | 33,465 | 19,352 | 52,817 | 624 | 85 |
| 1944 | 73,228 | 95,663 | 168,891 | 1,137 | 149 |
| 1945 | 17,997 | 30,513 | 48,510 | 966 | 47 |
| 1946 | 44,656 | 32,113 | 76,769 | 1,739 | 44 |
| 1947 | 38,093 | 45,939 | 84,032 | 1,393 | 60 |
| 1948 | 854,778 | 162,611 | 1,017,389 | 2,036 | 500 |
| 1949 | 40,593 | 19,472 | 60,065 | 1,834 | 33 |
| 1950 | 13,203 | 23,577 | 36,780 | 985 | 37 |
| 1951 | 96,662 | 4,581 | 101,243 | 904 | 112 |
| 1952 | 7,264 | 5,157 | 12,421 | 1,095 | 11 |
| 1953 | 44,519 | 14,290 | 58,809 | 1,520 | 39 |
| 1954 | 36,115 | 18,578 | 54,693 | 881 | 62 |
| 1955 | 370,948 | 25,475 | 396,423 | 2,252 | 176 |
| 1956 | 221,822 | 4,390 | 226,212 | 1,017 | 222 |
| 1957 | 24,250 | 22,401 | 46,651 | 1,671 | 28 |
| 1958 | 25,544 | 11,108 | 36,652 | 1,558 | 24 |
| 1959 | 2,580 | 2,701 | 5,281 | 1,029 | 5 |
| 1960 | 29,190 | 2,196 | 31,386 | 956 | 33 |
| 1961 | 1,180,900 | 3,828 | 1,184,728 | 1,305 | 908 |
| 1962 | 7,583 | 6,221 | 13,804 | 1,521 | 9 |
| 1963* | 38,489 | 17,673 | 56,162 | 1,886 | 30 |

*Preliminary report

1963 FOREST FIRES (Preliminary Report)

| HONORARY FIRE WARDENS | DISTRICT | Acres Burned | Number of Fires | Average Acreage |
|-----------------------------|------------------|-----------------|--------------------|--------------------|
| 255 | Chapleau..... | 29 | 26 | 1.1 |
| 396 | Cochrane..... | 1,132 | 41 | 27.6 |
| 228 | Fort Frances .. | 2,390 | 62 | 38.5 |
| 410 | Geraldton | 944 | 70 | 13.5 |
| 26 | Gogama..... | 34 | 20 | 1.7 |
| 250 | Kapuskasing... | 1,019 | 53 | 19.2 |
| 11 | Kemptville | 5 | 4 | 1.3 |
| 370 | Kenore..... | 833 | 171 | 4.9 |
| ..... | Lake Erie..... | ..... | ..... | ..... |
| 51 | Lake Huron.... | 4 | 4 | 1.0 |
| 36 | Lake Simcoe .. | 22 | 16 | 1.4 |
| 163 | Lindsay | 210 | 78 | 2.7 |
| 324 | North Bay..... | 1,368 | 155 | 8.8 |
| 340 | Parry Sound ... | 996 | 189 | 5.3 |
| 180 | Pembroke | 717 | 103 | 7.0 |
| 284 | Port Arthur.... | 2,564 | 92 | 27.9 |
| 245 | Sault Ste. Marie | 638 | 121 | 5.3 |
| 134 | Sioux Lookout . | 14,665 | 92 | 159.4 |
| 500 | Sudbury..... | 16,552 | 382 | 43.3 |
| 334 | Swastika..... | 885 | 46 | 19.2 |
| 284 | Tweed..... | 553 | 120 | 4.6 |
| 209 | White River.... | 10,602 | 41 | 258.6 |
| 5,030 | TOTAL..... | 56,162 | 1,886 | 29.8 |

MONTHS

| | | | |
|----------------|--------|-----|------|
| April | 3,258 | 306 | 10.6 |
| May | 12,877 | 199 | 64.7 |
| June..... | 16,708 | 258 | 64.8 |
| July..... | 12,929 | 559 | 23.1 |
| August..... | 202 | 144 | 1.4 |
| September..... | 5,592 | 89 | 62.8 |
| October..... | 3,161 | 282 | 11.2 |
| November | 1,435 | 49 | 29.3 |

FOREST FIRES CLASSIFIED BY ORIGIN, AGENCY OF DETECTION, AND SIZE

| ORIGIN | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 | ORIGIN | 1962 | *1963 |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|----------------|-------|-------|
| Land Clearing.... | 112 | 92 | 42 | 148 | 49 | 125 | 123 | 52 | 55 | 80 | Residents.... | 146 | 318 |
| Camping..... | 315 | 388 | 221 | 390 | 196 | 379 | 325 | 323 | 265 | 295 | Recreation ... | 592 | 824 |
| Smokers..... | 214 | 279 | 147 | 298 | 145 | 342 | 371 | 159 | 116 | 201 | ..... | ..... | ..... |
| Railways..... | 131 | 188 | 82 | 189 | 122 | 176 | 149 | 67 | 49 | 62 | Railways..... | 76 | 91 |
| Road Construction | 26 | 13 | 11 | 13 | 34 | 73 | 63 | 12 | 18 | 15 | ..... | ..... | ..... |
| Logging..... | 31 | 24 | 13 | 53 | 22 | 39 | 17 | 25 | 20 | 19 | Industry..... | 75 | 68 |
| Mining..... | 5 | 2 | 3 | 11 | 6 | 7 | 1 | 2 | 2 | 2 | ..... | ..... | ..... |
| Prospectors..... | ... | 1 | 2 | 11 | 8 | 3 | 1 | 4 | 1 | 1 | ..... | ..... | ..... |
| Incendiary..... | 13 | 19 | 25 | 31 | 8 | 26 | 43 | 13 | 12 | 31 | Incendiary.... | 38 | 36 |
| Miscellaneous.... | 108 | 143 | 74 | 148 | 123 | 194 | 229 | 116 | 97 | 143 | Miscellaneous | 289 | 201 |
| Unknown..... | 10 | 14 | 9 | 32 | 2 | 32 | 17 | 14 | 11 | 11 | Unknown..... | 10 | 28 |
| Lightning..... | 130 | 357 | 252 | 928 | 302 | 275 | 219 | 242 | 310 | 445 | Lightning | 295 | 320 |
| Total..... | 1,095 | 1,520 | 881 | 2,252 | 1,017 | 1,671 | 1,558 | 1,027 | 956 | 1,305 | TOTAL.... | 1,521 | 1,886 |
| Man Caused - Total | 965 | 1,163 | 629 | 1,324 | 715 | 1,396 | 1,339 | 785 | 646 | 860 | Man-Caused .. | 1,226 | 1,566 |
| Percentage.. | 88 | 77 | 71 | 59 | 70 | 84 | 86 | 76 | 68 | 66 |% | 81 | 83 |
| Prosecutions..... | ..... | ..... | ..... | ..... | 62 | 55 | 71 | 38 | 31 | 54 | Prosecutions . | 48 | 75 |
| Convictions..... | ..... | ..... | ..... | ..... | 56 | 41 | 62 | 35 | 30 | 47 | Convictions .. | 43 | 68 |

* Preliminary Report

| MEANS OF DETECTION | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 | 1962 | *1963 |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| Towers..... | 630 | 352 | 310 | 344 | 528 | 353 | 891 | 262 | 575 | 581 | 414 | 304 | 419 | 555 | 653 |
| Aircraft..... | 337 | 117 | 122 | 139 | 216 | 126 | 395 | 189 | 202 | 121 | 91 | 158 | 246 | 131 | 291 |
| Rangers..... | 168 | 93 | 72 | 82 | 122 | 46 | 102 | 57 | 141 | 87 | 66 | 63 | 74 | 92 | 137 |
| Public..... | 699 | 423 | 400 | 530 | 654 | 356 | 864 | 509 | 753 | 769 | 458 | 431 | 566 | 743 | 805 |

| SIZE | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 | 1962 | *1963 |
|-------------------------|------|------|------|------|------|------|-------|------|------|------|------|------|------|------|-------|
| ‡ acre..... | 574 | 260 | 329 | 391 | 500 | 354 | 846 | 395 | 575 | 490 | 470 | 416 | 502 | 670 | 697 |
| ¼-10 acres..... | 933 | 518 | 428 | 581 | 821 | 428 | 1,124 | 502 | 861 | 861 | 493 | 448 | 639 | 744 | 949 |
| 10-100 acres..... | 242 | 155 | 115 | 103 | 146 | 81 | 188 | 66 | 187 | 178 | 56 | 59 | 112 | 84 | 201 |
| 100-500 acres..... | 61 | 43 | 21 | 16 | 33 | 9 | 52 | 26 | 37 | 20 | 9 | 23 | 12 | 17 | 30 |
| Over 500 acres.. | 24 | 9 | 11 | 4 | 20 | 9 | 42 | 28 | 11 | 9 | 1 | 10 | 40 | 6 | 9 |
| AVERAGE SIZE (Acres) | 33 | 37 | 112 | 11 | 39 | 62 | 176 | 222 | 28 | 24 | 5 | 33 | 908 | 9 | 30 |

* Preliminary Report

FOREST PROTECTION PERMITS

| Year | Fire Permits | WORK PERMITS | | TRAVEL PERMITS | |
|------|-----------------|--------------|--------|----------------|---------|
| | | Permits | Men | Permits | Persons |
| 1926 | 13,466 | ..... | ..... | ..... | ..... |
| 1927 | 13,593 | ..... | ..... | 6,548 | 15,669 |
| 1928 | 13,611 | ..... | ..... | 15,406 | 42,566 |
| 1929 | 14,038 | ..... | ..... | 20,738 | 51,443 |
| 1930 | 15,094 | ..... | ..... | 36,799 | 91,457 |
| 1931 | 27,031 | 3,642 | 27,078 | 48,593 | 135,975 |
| 1932 | 23,187 | 3,626 | 23,186 | 46,753 | 132,783 |
| 1933 | 26,922 | 5,464 | 33,474 | 14,161 | 35,921 |
| 1934 | 20,962 | 6,029 | 56,405 | 12,178 | 30,162 |
| 1935 | 18,988 | ..... | ..... | 9,774 | 28,606 |
| 1936 | 18,964 | ..... | ..... | 8,447 | 26,564 |
| 1937 | 15,400 | 4,434 | 57,978 | 8,947 | 28,946 |
| 1938 | 15,035 | 4,106 | 44,882 | 12,216 | 38,952 |
| 1939 | 15,565 | 3,686 | 48,208 | 12,707 | 40,446 |
| 1940 | 14,522 | 2,684 | 46,727 | 10,162 | 33,350 |
| 1941 | 7,833 | 2,251 | 46,079 | 11,353 | 36,315 |
| 1942 | 8,542 | 1,826 | 40,194 | 8,358 | 24,725 |
| 1943 | 5,242 | 2,272 | 34,440 | 11,004 | 28,567 |
| 1944 | 5,106 | 2,173 | 34,927 | 13,510 | 41,569 |
| 1945 | 5,764 | 2,799 | 47,280 | 20,393 | 70,085 |
| 1946 | 8,940 | 3,496 | 67,346 | 35,794 | 112,191 |
| 1947 | 7,925 | 3,491 | 61,140 | 51,187 | 146,185 |
| 1948 | 9,237 | 3,030 | 51,736 | 61,384 | 194,617 |
| 1949 | 11,546 | 3,168 | 47,465 | 90,206 | 256,320 |
| 1950 | 9,357 | 3,753 | 57,581 | 86,975 | 323,870 |
| 1951 | 9,647 | 4,130 | 65,762 | 114,998 | 422,938 |
| 1952 | 11,764 | 3,971 | 55,882 | 124,193 | 455,979 |
| 1953 | 14,189 | 3,585 | 49,387 | 146,481 | 506,703 |
| 1954 | 12,315 | 3,496 | 67,346 | 113,971 | 408,018 |
| 1955 | 14,803 | 3,668 | 76,703 | 211,724 | 717,542 |
| 1956 | 14,142 | 3,930 | 62,469 | 181,396 | 608,138 |
| 1957 | 12,778 | 3,095 | 55,227 | 118,690 | 427,834 |
| 1958 | 15,842 | 2,922 | 44,362 | 121,373 | 412,468 |
| 1959 | 17,889 | 3,705 | 44,942 | 112,916 | 390,510 |
| 1960 | 18,616 | 4,024 | 45,837 | 94,634 | 332,471 |
| 1961 | 20,956 | 4,631 | 47,916 | 108,108 | 393,510 |
| 1962 | 22,298 | 4,590 | 42,375 | 108,771 | 366,985 |

MAJOR EQUIPMENT March 31st

| | 1950 | 1951 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 | 1962 | 1963 |
|----------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Portable Power Pumps | 896 | 976 | 1,029 | 1,062 | 1,097 | 1,218 | 1,215 | 1,255 | 1,396 | 1,271 | 1,225 | 1,201 | 1,145 |
| Portable Hand Pumps. | 5,717 | 6,154 | 6,206 | 6,406 | 6,362 | 7,907 | 7,899 | 8,712 | 8,336 | 8,344 | 8,237 | 7,977 | 8,159 |
| Hose (000's Feet)... | 2,144 | 2,266 | 2,743 | 2,826 | 2,714 | 3,319 | 3,312 | 3,890 | 3,551 | 3,712 | 3,664 | 3,483 | 3,230 |
| Tents..... | 1,567 | 1,698 | 1,841 | 2,030 | 1,997 | 2,376 | 2,469 | 2,438 | 2,483 | 2,391 | 2,433 | 2,618 | 2,542 |
| Eiderdowns..... | .... | .... | .... | .... | 1,365 | 1,506 | 1,538 | 1,597 | 1,671 | 1,739 | 1,750 | 1,780 | 1,828 |
| Blankets..... | 24,104 | 24,816 | 27,966 | 30,314 | 32,668 | 31,582 | 29,288 | 29,505 | 29,024 | 30,540 | 31,946 | 33,756 | 36,075 |
| Binoculars..... | 382 | 445 | 556 | 575 | 573 | 642 | 609 | 615 | 647 | 659 | 661 | 668 | 691 |
| Canoes..... | 1,003 | 1,084 | 1,142 | 1,061 | 1,114 | 1,087 | 1,073 | 1,052 | 1,005 | 954 | 930 | 922 | 868 |
| Boats (Outboard).... | 231 | 278 | 373 | 379 | 418 | 434 | 459 | 493 | 519 | 534 | 538 | 568 | 570 |
| Motors (Outboard)... | 501 | 552 | 648 | 690 | 752 | 771 | 771 | 800 | 785 | 809 | 807 | 834 | 837 |
| Boats (Inboard)..... | 57 | 63 | 63 | 61 | 55 | 64 | 60 | 59 | 48 | 44 | 42 | 31 | 40 |
| Barges and Scows.... | .... | .... | .... | .... | .... | .... | 4 | 6 | 7 | 6 | 9 | 6 | 5 |
| Trucks and Autos.... | 400 | 491 | 666 | 730 | 715 | 786 | 751 | 861 | 918 | 905 | 945 | 949 | 967 |
| Trailers..... | .... | .... | .... | .... | 107 | 141 | 166 | 205 | 249 | 263 | 277 | 283 | 302 |
| Tractors..... | .... | 50 | 73 | 93 | 101 | 121 | 134 | 312 | 186 | 184 | 194 | 198 | 214 |
| Railway Motor Cars.. | 44 | 44 | 50 | 49 | 45 | 47 | 46 | 44 | 44 | 42 | 41 | 42 | 38 |
| Velocipedes..... | .... | .... | .... | .... | .... | .... | 24 | 24 | 22 | 20 | 18 | 16 | 16 |
| Snowmobiles..... | .... | .... | .... | .... | 7 | 8 | 10 | 14 | 10 | 13 | 14 | 16 | 22 |
| Radio Sets, Stations | 347 | 397 | 613 | 686 | 801 | 825 | 899 | 1,047 | 1,140 | 1,294 | 1,564 | 1,846 | 1,885 |
| Steel Towers..... | 231 | 271 | 279 | 279 | 280 | 288 | 292 | 302 | 308 | 315 | 318 | 323 | 323 |

REPORT OF MAJOR EQUIPMENT (as of March 31, 1963)

| LOCATION | Portable Pumps Power Hand | Fire Hose | Blank- ets | Tents | Sleep- ing Bags | Bin- oculars | Canoes | Not Motor | Boats board | Out- board Motors | Motor Vehicles | Trail- ers | Trac- tors | Rly Mtr Cars | *V | *S | *B |
|--|---------------------------------|--------------|---------------|--------|-----------------------|-----------------|--------|--------------|----------------|-------------------------|-------------------|---------------|---------------|--------------------|-----|-----|-----|
| DISTRICTS | | | | | | | | | | | | | | | | | |
| Aylmer..... | 11 | 144 | 305 | 30 | nil | 6 | 31 | 20 | 6 | 17 | 48 | 20 | 13 | nil | nil | nil | nil |
| Chapleau..... | 47 | 227 | 1,309 | 2,991 | 95 | 72 | 22 | 40 | 11 | 26 | 28 | 8 | 6 | nil | nil | nil | nil |
| Cochrane..... | 52 | 570 | 1,888 | 1,539 | 114 | 86 | 41 | 47 | 15 | 3 | 34 | 11 | 6 | 7 | nil | nil | nil |
| Fort Francis... | 40 | 226 | 1,135 | 1,026 | 95 | 89 | 23 | 27 | 28 | 1 | 37 | 22 | 5 | 4 | nil | 1 | nil |
| Geraldton..... | 75 | 480 | 2,183 | 2,189 | 207 | 78 | 28 | 52 | 13 | 2 | 42 | 41 | 7 | 8 | 3 | 3 | nil |
| Gogama..... | 34 | 270 | 1,202 | 1,670 | 67 | 31 | 20 | 36 | 10 | 2 | 22 | 20 | 6 | 5 | nil | 3 | nil |
| Heseler..... | 16 | 169 | 1,353 | 18 | 4 | 10 | 23 | 1 | 18 | nil | 14 | 41 | 24 | 13 | nil | nil | nil |
| Kapuskegung... | 44 | 351 | 1,337 | 1,668 | 107 | 45 | 32 | 52 | 9 | 39 | 37 | 11 | 7 | 8 | 7 | nil | nil |
| Kemptonville... | 14 | 107 | 1,362 | 25 | 5 | 9 | 13 | 1 | 27 | 1 | 18 | 25 | 15 | nil | nil | nil | 1 |
| Kenora..... | 65 | 311 | 1,834 | 1,274 | 119 | 49 | 28 | 37 | 29 | 6 | 35 | 44 | 7 | 8 | nil | nil | 1 |
| Lindsay..... | 43 | 390 | 1,153 | 1,656 | 43 | 59 | 31 | 29 | 38 | nil | 41 | 52 | 22 | 20 | nil | nil | 1 |
| Maple..... | 30 | 235 | 1,569 | 204 | 12 | 11 | 41 | 6 | 26 | 1 | 33 | 59 | 22 | 28 | nil | nil | 1 |
| North Bay..... | 50 | 325 | 1,090 | 1,253 | 134 | 112 | 36 | 71 | 38 | 1 | 44 | 44 | 7 | 6 | nil | nil | 1 |
| Pembroke..... | 39 | 377 | 1,341 | 1,533 | 161 | 187 | 33 | 36 | 46 | 2 | 43 | 45 | 18 | 4 | nil | 1 | 3 |
| Port Arthur... | 50 | 284 | 1,182 | 2,028 | 119 | 103 | 20 | 65 | 34 | 1 | 50 | 52 | 13 | 9 | nil | 1 | nil |
| Sault Ste. Marie | 69 | 379 | 1,901 | 2,151 | 154 | 89 | 30 | 39 | 21 | 1 | 32 | 44 | 10 | 9 | nil | nil | 3 |
| St. Louis Lookout | 74 | 496 | 2,209 | 3,297 | 182 | 78 | 29 | 48 | 21 | 1 | 31 | 62 | 12 | 2 | nil | 3 | nil |
| Sudbury..... | 62 | 333 | 1,400 | 2,805 | 228 | 98 | 25 | 66 | 18 | 3 | 66 | 31 | 7 | 3 | 1 | 3 | 2 |
| Swastika..... | 36 | 256 | 956 | 2,207 | 152 | 56 | 38 | 53 | 27 | 8 | 46 | 47 | 12 | 7 | 1 | nil | nil |
| Tweed..... | 40 | 262 | 880 | 1,456 | 74 | 93 | 25 | 28 | 22 | nil | 23 | 32 | 8 | nil | nil | nil | nil |
| White River... | 49 | 359 | 1,444 | 507 | 43 | 61 | 41 | 13 | 50 | 1 | 47 | 49 | 4 | 1 | nil | nil | nil |
| Regions | | | | 983 | 132 | 60 | 25 | 63 | 14 | 32 | 25 | 9 | 3 | 2 | 2 | nil | nil |
| Central..... | 62 | 307 | 1,149 | 1,445 | 93 | 7 | nil | 1 | nil | 2 | 1 | nil | nil | nil | nil | nil | nil |
| South Central... | nil | nil | 195 | 661 | nil | 1 | nil | nil | nil | nil | nil | nil | 1 | nil | nil | nil | nil |
| Western..... | nil | nil | nil | nil | nil | nil | nil | nil | nil | nil | nil | nil | nil | nil | nil | nil | nil |
| Mid-Western... | 40 | 276 | 1,081 | 363 | 72 | 1 | nil | nil | nil | nil | nil | nil | nil | nil | nil | nil | nil |
| South Eastern... | nil | nil | nil | nil | 18 | nil | nil | nil | nil | nil | 1 | nil | nil | nil | nil | nil | nil |
| Northern..... | 33 | 476 | 1,114 | 1,140 | 51 | nil | 1 | nil | nil | nil | nil | nil | nil | nil | nil | nil | nil |
| South Western... | nil | nil | 26 | nil | nil | nil | nil | nil | nil | nil | 5 | 1 | 3 | nil | nil | nil | nil |
| OTHERS | | | | | | | | | | | | | | | | | |
| Ranger School.. | 11 | 34 | 139 | 751 | 6 | 1 | 4 | 22 | 5 | nil | 5 | 4 | 1 | 2 | nil | nil | nil |
| Air Service.... | nil | nil | nil | 17 | nil | 118 | nil | 1 | 1 | 5 | 1 | 1 | 2 | nil | nil | nil | nil |
| Head Office (Inc. Research & Cons. Authorities)..... | 16 | nil | 7 | 98 | 173 | 300 | 51 | 31 | 28 | 0 | 45 | 75 | 15 | 7 | nil | 1 | nil |
| TOTAL..... | 1,145 | 8,159 | 32,296 | 36,075 | 2,542 | 1,828 | 691 | 868 | 570 | 40 | 837 | 967 | 302 | 214 | 38 | 16 | 22 |
| *V-Velocipedes | | | | | | | | | | | | | | | | | |
| *S-Snow Vehicles | | | | | | | | | | | | | | | | | |
| *B-Barges | | | | | | | | | | | | | | | | | |

AIR SERVICE SUMMARY, Hours Flown in years ending March 31st

| Year | Fire Ranging | Timber Mngt. | F&W Mngt. | Lands | Parks | Re-search | Sur-veys | Photo | Inter-departmental | Mercy Flights Hrs. | Total Flying Hours | Passengers Carried | Per-sonnel Carried | Effective Load (tons) |
|-------|--------------|--------------|-----------|-------|-------|-----------|----------|-------|--------------------|--------------------|--------------------|--------------------|--------------------|-----------------------|
| 1924- | | | | | | | | | | | | | | |
| 1949 | 88,732 | ... | 2,985 | ... | ... | 1,442 | ... | 1,415 | ... | 361 | 175,290 | 165,583 | 89,206 | 22,234 |
| 1950 | 6,926 | 604 | 1,644 | 110 | ... | ... | ... | ... | 279 | ... | 13,531 | 30,687 | 5,918 | 3,432 |
| 1951 | 4,211 | 938 | 2,029 | 283 | ... | 303 | ... | ... | 233 | 64 | 11,057 | 27,140 | 5,140 | 3,367 |
| 1952 | 5,498 | 903 | 2,086 | 153 | ... | 360 | ... | 273 | 188 | 168 | 12,800 | 30,439 | 5,410 | 3,164 |
| 1953 | 5,278 | 674 | 1,980 | 149 | ... | 266 | 97 | 280 | 150 | 56 | 11,889 | 25,900 | 5,346 | 3,079 |
| 1954 | 6,302 | 982 | 1,972 | 376 | ... | 386 | 124 | 187 | 574 | 53 | 13,564 | 31,109 | 7,245 | 3,918 |
| 1955 | 5,095 | 1,048 | 2,362 | 246 | ... | 284 | 181 | 244 | 398 | 35 | 12,389 | 29,256 | 5,465 | 3,429 |
| 1956 | 11,396 | 835 | 2,333 | 181 | ... | 192 | 128 | 130 | 458 | 55 | 17,785 | 46,478 | 6,723 | 6,091 |
| 1957 | 5,347 | 986 | 2,289 | 180 | ... | 199 | 72 | 148 | 384 | 34 | 11,692 | 28,789 | 5,099 | 3,481 |
| 1958 | 5,652 | 801 | 2,837 | 190 | 311 | 212 | 23 | 24 | 327 | 44 | 12,506 | 28,636 | 5,349 | 3,497 |
| 1959 | 4,275 | 876 | 3,615 | 200 | 272 | 189 | 15 | ... | 421 | 39 | 12,278 | 27,506 | 5,197 | 4,871 |
| 1960 | 4,053 | 883 | 3,569 | 209 | 345 | 228 | 11 | ... | 475 | 42 | 11,984 | 27,600 | 4,926 | 4,198 |
| 1961 | 4,914 | 965 | 3,455 | 267 | 255 | 200 | 4 | ... | 470 | 72 | 12,569 | 29,069 | 4,833 | 4,638 |
| 1962 | 7,130 | 799 | 3,628 | 260 | 266 | 170 | ... | ... | 370 | 33 | 14,486 | 32,749 | 5,221 | 8,121 |
| 1963 | 4,169 | 923 | 3,862 | 230 | 386 | 201 | ... | ... | 454 | 20 | 12,542 | 27,750 | 4,819 | 5,657 |
| Total | 168,977 | 12,218 | 40,647 | 3,034 | 1,835 | 4,632 | 654 | 2,701 | 5,180 | 1,075 | 356,361 | 588,691 | 165,897 | 89,228 |

PILOTS' FLYING TIME March 31, 1963

| PILOTS | | 1924-62 | 1962-63 | Total |
|--------------|----|------------|-----------|------------|
| Allen..... | DW | 2,764:25 | 471:55 | 3,236:20 |
| Ballantyne . | DE | 1,921:55 | 340:05 | 2,262:00 |
| Beaushene . | GD | 3,446:55 | 495:30 | 3,942:25 |
| Bieck..... | AH | 1,595:10 | 322:50 | 1,918:00 |
| Burt..... | AE | 8,207:25 | 389:35 | 8,597:00 |
| Calver..... | DR | 3,257:25 | 260:50 | 3,518:15 |
| Campbell... | GE | 4,787:35 | 569:35 | 5,357:10 |
| Colfer..... | AP | 6,696:50 | 590:40 | 7,287:30 |
| Cooke..... | TC | 7,082:30 | 705:10 | 7,787:40 |
| Cram..... | WW | 1,229:40 | 259:30 | 1,489:10 |
| Croft..... | BR | 1,500:40 | 266:30 | 1,767:10 |
| Croal..... | DM | 1,634:10 | 535:45 | 2,169:55 |
| Culliton.... | JE | ----- | 260:50 | 260:50 |
| Denley..... | JG | 7,566:55 | 256:40 | 7,823:35 |
| Evans..... | FB | 4,458:55 | 261:10 | 4,720:05 |
| Fiskar..... | UW | 3,871:10 | 438:20 | 4,309:30 |
| Glennie.... | NA | 2,624:45 | 429:20 | 3,054:05 |
| Hoar..... | HA | 3,045:35 | 156:25 | 3,202:00 |
| Hoeberg... | PS | 3,119:15 | 358:55 | 3,478:10 |
| Hugill..... | WA | 2,504:25 | 288:35 | 2,793:00 |
| Kincaid.... | J | 7,656:45 | 387:10 | 8,043:55 |
| Kirk..... | CJ | 4,802:35 | 267:55 | 5,070:30 |
| Lamont..... | JA | 3,679:40 | 375:35 | 4,055:15 |
| LeFeuvre.. | CJ | 9,037:50 | 435:40 | 9,473:30 |
| Lowe..... | B | 1,594:55 | 188:55 | 1,783:50 |
| MacDougall. | FA | 5,191:05 | 106:10 | 5,297:15 |
| North..... | DH | 1,250:20 | 212:00 | 1,462:20 |
| Parsons.... | R | 7,549:40 | 204:50 | 7,754:30 |
| Pike..... | SJ | 287:00 | 286:50 | 573:50 |
| Poulin..... | LD | 7,981:50 | 130:30 | 8,112:20 |
| Reid..... | DM | 4,591:00 | 300:05 | 4,891:05 |
| Siegel..... | J | 5,262:15 | 242:25 | 5,504:40 |
| Speight.... | HC | 7,858:20 | 532:15 | 8,390:35 |
| Taylor..... | JM | 3,554:20 | 33:30 | 3,587:50 |
| Thomas..... | E | 3,548:45 | 342:00 | 3,890:45 |
| Thompson.. | FJ | 2,695:10 | 357:05 | 3,052:15 |
| Trussler... | GE | 7,625:50 | 248:30 | 7,874:20 |
| Turcotte... | LG | 1,302:50 | 232:10 | 1,535:00 |
| Other Pilots | | 187,033:15 | | 187,033:15 |
| Total Hours | | 343,819:05 | 12,541:45 | 356,360:50 |

AIRCRAFT SERVICE RECORD, March 31, 1963

| 46 AIRCRAFT* | Year Purchased | Effective Load (tons) | FLYING HOURS | |
|--------------------|-------------------|-----------------------------|--------------|------------|
| | | | 1962-63 | 1924-63 |
| 35 BEAVER* | | | | |
| CF-OBS | 1948 | 76 | 353:50 | 5,593:45 |
| CF-OBW | 1948 | 125 | 259:30 | 3,786:50 |
| CF-OBX | 1948 | 97 | 210:05 | 4,296:15 |
| CF-OBY | 1948 | 78 | 291:55 | 4,025:05 |
| CF-OBZ | 1948 | 115 | 424:10 | 4,743:55 |
| CF-OCA | 1948 | 64 | 209:30 | 4,215:55 |
| CF-OCB | 1948 | 113 | 297:35 | 5,051:10 |
| CF-OCC | 1948 | 128 | 284:40 | 4,363:55 |
| CF-OCD | 1948 | 143 | 337:10 | 4,027:20 |
| CF-OCE | 1949 | 186 | 350:10 | 4,927:00 |
| CF-OCG | 1949 | 37 | 187:10 | 3,815:10 |
| CF-OCH | 1949 | 39 | 140:35 | 4,253:05 |
| CF-OCJ | 1949 | 146 | 401:50 | 3,829:10 |
| CF-OCK | 1949 | 60 | 247:50 | 4,254:15 |
| CF-OCL | 1949 | 48 | 154:10 | 3,984:50 |
| CF-OCN | 1949 | 73 | 260:20 | 4,667:10 |
| CF-OCO | 1949 | 128 | 453:40 | 4,610:10 |
| CF-OCF | 1949 | 123 | 367:35 | 5,106:25 |
| CF-OCQ | 1949 | 60 | 239:30 | 4,877:25 |
| CF-OCS | 1949 | 56 | 243:30 | 4,367:30 |
| CF-OCT | 1949 | 60 | 321:05 | 4,604:45 |
| CF-OCU | 1950 | 113 | 316:50 | 4,326:30 |
| CF-OCV | 1950 | 102 | 396:00 | 3,787:35 |
| CF-OCX | 1950 | 76 | 325:35 | 3,927:30 |
| CF-OCY | 1950 | 256 | 338:40 | 3,752:30 |
| CF-OCZ | 1950 | 74 | 252:50 | 2,928:10 |
| CF-ODA | 1951 | 69 | 350:45 | 3,667:45 |
| CF-ODB | 1951 | 104 | 234:10 | 4,073:50 |
| CF-ODC | 1951 | 48 | 372:50 | 5,097:45 |
| CF-ODD | 1951 | 45 | 160:40 | 1,207:30 |
| CF-ODE | 1951 | 33 | 328:00 | 3,303:35 |
| CF-ODF | 1952 | .... | 1:35 | 3,376:55 |
| CF-ODG | 1952 | 90 | 387:10 | 4,191:55 |
| CF-ODO | 1955 | 7 | 119:45 | 848:35 |
| CF-ODS | 1956 | 30 | 150:25 | 706:40 |
| 10 OTTER | | | | |
| CF-ODJ | 1953 | 151 | 346:35 | 2,948:55 |
| CF-ODK | 1953 | 215 | 183:40 | 2,591:10 |
| CF-ODL | 1953 | 269 | 311:45 | 2,802:35 |
| CF-ODP | 1956 | 213 | 269:40 | 1,836:05 |
| CF-ODQ | 1956 | 216 | 191:50 | 2,094:15 |
| CF-ODU | 1960 | 820 | 323:10 | 841:55 |
| CF-ODV | 1961 | 184 | 480:25 | 1,090:55 |
| CF-ODW | 1961 | 571 | 415:15 | 572:20 |
| CF-ODX | 1962 | .... | 3:00 | 3:00 |
| CF-ODY | 1962 | .... | 2:50 | 2:50 |
| WIDGEON | | | | |
| CF-ODR | 1956 | 18 | 242:30 | 1,583:40 |
| All other Aircraft | | | | 200,454:15 |
| TOTAL | | 5,657 | 12,541:45 | 355,419:45 |

*Two of listed Beavers were sold in 1962.

AIR SERVICE BASE OPENING DATES (or First Float Flying)

| BASE | 1933 | 1934 | 1935 | 1936 | 1937 | 1938 | 1939 | 1940 | 1941 | 1942 | 1943 |
|-------------------|----------|----------|--------|---------|----------|----------|----------|--------|----------|----------|--------|
| Algonquin Park... | 29 April | 4 May | 1 May | 4 May | 3 May | 6 May | 7 May | 5 May | 21 April | 26 April | 8 May |
| Caribou Lake..... | 27 May | 25 May | 21 May | 24 May | 17 May | 24 May | 15 May | 19 May | 10 May | 5 May | 5 June |
| Biscotasing..... | 15 May | 14 May | 14 May | 14 May | 8 May | 2 May | 12 May | 7 May | 2 May | 27 April | 17 May |
| Fort Frances..... | ..... | 15 May | 3 May | 19 May | 13 May | 11 May | 11 May | 15 May | 2 May | 29 April | 12 May |
| Goose Island..... | 16 May | 20 May | 17 May | 19 May | 25 May | ..... | ..... | ..... | ..... | ..... | ..... |
| Ignace..... | 3 July | 16 May | 15 May | 19 May | 17 May | 14 May | 12 May | 18 May | 1 May | 29 April | 18 May |
| Kenora..... | 10 May | 11 May | 10 May | 18 May | 15 May | 12 May | 9 May | 15 May | 30 April | 29 April | 12 May |
| Oba Lake..... | 16 May | 19 May | 20 May | 24 May | 7 May | 9 May | 16 May | 22 May | 13 May | 1 May | 18 May |
| Orient Bay..... | 10 June | 26 May | 23 May | 24 May | 10 May | 14 May | 19 May | 28 May | 12 May | 8 July | 28 May |
| Pays Plat..... | ..... | ..... | ..... | ..... | ..... | ..... | 14 May | 9 May | 1 May | 4 May | 11 May |
| Pickle Lake..... | ..... | ..... | ..... | 28 May | 27 May | 18 May | 29 May | 24 May | 14 May | ..... | ..... |
| Port Arthur..... | 6 May | 12 May | 3 May | 15 May | 27 April | 14 May | 12 May | 9 May | 1 May | 29 April | 11 May |
| Red Lake..... | ..... | ..... | ..... | ..... | ..... | 16 May | 13 May | 23 May | 10 May | 4 May | 22 May |
| Reni Lake..... | ..... | 25 May | 23 May | 1 June | 14 May | 16 May | 22 May | 29 May | 17 May | 5 May | 21 May |
| Sault Ste. Marie. | 21 April | 24 April | 2 May | 1 April | ..... | 21 April | 28 April | 2 May | ..... | 24 April | 10 May |
| Sioux Lookout.... | 10 May | 16 May | 16 May | 18 May | 13 May | 5 May | 11 May | 18 May | 1 May | 29 April | 17 May |
| Sudbury..... | 3 May | 8 May | 2 May | 8 May | 4 May | 30 April | 5 May | 4 May | 30 April | 29 April | 7 May |
| Temagami..... | ..... | ..... | ..... | ..... | ..... | 3 May | 13 May | 7 May | 3 May | 29 April | 18 May |
| Twin Lakes..... | 14 May | 26 May | 21 May | 1 June | 18 May | 16 May | 18 May | 23 May | 12 May | 5 May | 19 May |
| Whitefish Lake... | 15 May | 19 May | 16 May | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |

TORONTO: Year Round.

AIR SERVICE BASE OPENING DATES (or First Float Flying) (Continued)

| BASE | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 |
|-------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Algonquin Park... | 3 May | 26 April | 30 April | 8 May | 19 April | 2 April | 17 May | 29 April | 24 April | 21 April | 29 April |
| Carey Lake..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 10 May | 15 May | 18 May |
| Caribou Lake.... | 19 May | 12 May | 23 May | 3 June | 19 May | 9 May | 1 June | 21 May | 7 May | 14 May | 27 May |
| Chapleau..... | ..... | ..... | ..... | ..... | 8 May | 10 May | 16 May | 30 April | 8 May | 8 May | 4 May |
| Biscotausing..... | 7 May | 26 April | 22 April | 17 May | 28 April | 7 May | 20 May | ..... | ..... | ..... | ..... |
| Eva Lake..... | ..... | ..... | 27 April | 16 May | 8 May | 1 May | 20 May | 10 May | 30 April | 29 April | 17 May |
| Fort Frances.... | 15 May | 27 April | 7 May | 20 May | 11 May | 30 April | 24 May | 7 May | 1 May | 4 May | 13 May |
| Geraldton..... | 14 May | ..... | ..... | ..... | 14 May | 4 May | 20 May | 9 May | 5 May | 7 May | 18 May |
| Gogama..... | ..... | ..... | ..... | 14 May | 27 April | 30 April | 8 May | 24 April | 23 April | 29 April | 3 May |
| Ignace..... | 19 May | 12 May | 1 May | 20 May | 10 May | 3 May | 22 May | 9 May | 1 May | 5 May | 18 May |
| Kenogmi..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 10 May | 2 May | 7 May | 9 May |
| Kenora..... | 20 May | 10 May | 14 May | 20 May | 8 May | 3 May | 22 May | 10 May | 1 May | 7 May | 18 May |
| Launon Lake.... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 18 April | 28 April |
| Oba Lake..... | 17 May | 5 May | 7 May | 27 May | 5 May | 10 May | 8 May | 8 May | 8 May | 10 May | 15 May |
| Orient Bay..... | 23 May | 23 May | 7 May | 12 June | 18 May | 12 May | 23 May | 16 May | 7 May | 8 May | 21 May |
| Parry Sound..... | ..... | ..... | ..... | 6 May | 12 May | 13 April | 27 April | 17 April | 23 April | 30 Mar. | 20 April |
| Pays Plat..... | 5 May | 9 May | 30 April | 14 May | 8 May | 7 May | 18 May | 8 May | 2 May | 6 May | 11 May |
| Pickle Lake..... | ..... | ..... | 26 May | 2 June | 18 May | 9 May | 3 June | 17 May | 7 May | 13 May | 2 June |
| Port Arthur.... | 16 May | 2 May | 30 April | 16 May | 3 May | 30 April | 19 May | 2 May | 22 April | 30 April | 7 May |
| Red Lake..... | 19 May | 10 May | 7 May | 26 May | 13 May | 3 May | 29 May | 15 May | 3 May | 8 May | 21 May |
| Remi Lake..... | 17 May | 3 May | 15 May | 2 June | 10 May | 4 May | 23 May | 3 May | 2 May | 13 May | 19 May |
| Sault Ste. Marie | 27 April | 10 April | 11 April | 30 April | 14 April | 7 April | 6 April | 9 April | 7 April | 27 Mar. | 13 April |
| Sioux Lookout... | 15 May | 10 May | 3 May | 20 May | 12 May | 1 May | 27 May | 12 May | 3 May | 7 May | 20 May |
| South Porcupine. | ..... | ..... | 3 May | 27 May | 1 May | 3 May | 19 May | 30 April | 1 May | 5 May | 5 May |
| Sudbury..... | 8 May | 1 May | 13 April | 14 May | 27 April | 25 April | 12 April | 25 April | 23 April | 20 April | 29 April |
| Temagami..... | 8 May | 20 April | 23 April | 17 May | 27 April | 20 April | 15 May | 1 May | 1 May | 28 April | 4 May |
| Twin Lakes..... | 18 May | 12 May | 22 May | 8 June | 14 May | 12 May | 30 May | 1 May | 16 May | 13 May | 22 May |
| White River..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 11 May | 18 May |

AIR SERVICE BASE OPENING DATES (or First Float Flying) (Continued)

| BASE | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 | 1962 | 1963 |
|-------------------|----------|----------|----------|------------------------|----------|----------|----------|----------|----------|
| Algonquin Park.. | 21 April | 11 May | 25 April | 23 April | 5 May | 2 May | 4 May | 3 May | 24 April |
| Carey Lake..... | 30 April | 27 May | 7 May | 9 May | 12 May | 23 May | 10 May | 13 May | 9 May |
| Caribou Lake..... | 1 May | 1 June | 13 May | 15 May | 15 May | 22 May | 24 May | 25 May | 20 May |
| Chapleau..... | 22 April | 14 May | 3 May | 24 April | 4 May | 11 May | 4 April | 7 May | 29 April |
| Eva Lake..... | 28 April | 16 May | 6 May | (Moved to Nym Lake) | | | | | |
| Fort Frances.... | 27 April | 16 May | 29 April | 18 April | 28 April | 4 May | 1 May | 1 May | 25 April |
| Geraldton..... | 27 April | 17 May | 7 May | 5 May | 10 May | 18 May | 11 May | 16 May | 7 May |
| Gogama..... | 22 April | 14 May | 1 May | 28 April | 6 May | 5 May | 10 May | 7 May | 1 May |
| Ignace..... | 28 April | 16 May | 6 May | 2 May | 8 May | 12 May | 11 May | 11 May | 8 May |
| Kenogami..... | 26 April | 22 May | 10 May | 4 May | 12 May | 18 May | 13 May | 10 May | 8 May |
| Kenora..... | 27 April | 17 May | 6 May | 15 April | 30 April | 12 May | 11 May | 9 May | 6 May |
| Launton Lake.... | 19 April | 7 May | 29 April | 17 April | 20 April | 2 May | 26 April | 26 April | 22 April |
| Nym Lake..... | ..... | ..... | ..... | 2 May | 8 May | 12 May | 12 May | 16 May | 8 May |
| Oba Lake..... | 28 April | 16 May | 9 May | 4 May | 11 May | 23 May | 11 May | 15 May | ..... |
| Orient Bay..... | 1 May | 1 June | 13 May | (Moved to Port Arthur) | | | | | |
| Parry Sound..... | 18 April | 3 May | 28 April | 21 April | 27 April | 27 April | 26 May | 25 April | 22 April |
| Pays Plat..... | 4 May | 15 May | 6 May | 2 May | 8 May | 12 May | 10 May | 11 May | 9 May |
| Pickle Lake..... | 6 May | 1 June | 13 May | 16 May | 15 May | 20 May | 19 May | 16 May | 17 May |
| Port Arthur..... | 22 April | 30 April | 29 April | 30 April | 24 April | 13 May | 29 April | 2 May | 5 May |
| Red Lake..... | 28 April | 19 May | 9 May | 2 May | 14 May | 16 May | 19 May | 15 May | 8 May |
| Remi Lake..... | 29 April | 21 May | 6 May | 7 May | 12 May | 19 May | 11 May | 15 May | 9 May |
| Sault Ste. Marie | 19 April | 3 May | 29 April | 26 March | 8 April | 11 April | 4 April | 2 April | 3 April |
| Sioux Lookout... | 27 April | 19 May | 10 May | 1 May | 14 May | 16 May | 16 May | 8 May | 2 May |
| South Porcupine. | 27 April | 15 May | 6 May | 2 May | 8 May | 16 May | 11 May | 9 May | 11 May |
| Sudbury..... | 19 April | 9 May | 1 May | 18 April | 1 May | 4 May | 10 May | 27 April | 24 April |
| Temagami..... | 26 April | 17 May | 3 May | 2 May | 8 May | 11 May | 17 May | 9 May | 1 May |
| Tweed..... | ..... | ..... | 28 April | 18 April | 27 April | 28 April | 25 April | 25 April | 18 April |
| Twin Lakes..... | 6 May | 17 June | 10 May | 13 May | 15 May | 25 May | 21 May | 22 May | 15 May |
| White River.... | 29 April | 21 May | 10 May | 2 May | 12 May | 20 May | 12 May | 15 May | 15 May |

DEPARTMENT RADIO STATIONS

| DISTRICT | STATION | CALL SIGN | NORMAL OPERATING FREQUENCIES | |
|---------------------|---------------------------|--------------|---------------------------------|----------------|
| | | | H.F. Kc/s | V.H.F. Mc/s |
| PORT FRANCES | Fort Frances | XLN21 | 4460 | 46.62 |
| | Lac La Croix | XLN22 | " | " |
| | Atikokan | XLQ71 | | " |
| | Rainy River | XLR59 | | " |
| | French Lake | XMN23 | | " |
| | Nym Lake | XLN234 | " | " |
| | Cache Bay | XLN233 | " | " |
| | Prairie Portage | XLN232 | " | " |
| | Cabin 16 | XLN29 | " | " |
| KENORA | Beaverhouse Lake Cabin | XLN275 | " | " |
| | Kenora | XLN34 | 4460 | 46.78 |
| | Minaki | XLN32 | " | " |
| | Sioux Narrows | XLR42 | " | " |
| | Dryden | XLN35 | " | " |
| | Nestor Falls | XLN24 | | " |
| | Vermillion Bay | XLS87 | | " |
| | Dymont | XL096 | | " |
| SIOUX LOOKOUT | Sioux Lookout | XLN37 | 4460 | 46.86 |
| | Red Lake | XLN43 | " | " |
| | Pickle Lake | XLN38 | " | " |
| | Armstrong | XLN40 | " | " |
| | Ear Falls | XMN50 | " | " |
| | Winisk | XLR62 | " | " |
| | Ignace | XLN23 | " | " |
| PORT ARTHUR | Port Arthur | XLN45 | 4580 | 46.70 |
| | Shebandowan | XLN47 | " | " |
| | Black Sturgeon Lake | XLN48 | " | " |
| | Upsala | XLN217 | " | " |
| | Saganaga Lake | XLN218 | " | " |
| | Dorion | XMN78 | | " |
| | Sibley Park | XLN85 | | " |
| GERALDTON | Geraldton | XLQ35 | 4580 | 46.78 |
| | Pays Plat | XLN56 | " | " |
| | Marathon | XLN54 | " | " |
| | Killala Lake | XLN55 | " | " |
| | Hillsport | XLQ46 | " | " |
| | Nakina | XLS53 | " | " |
| | Longlac | XLS52 | " | " |
| | Macdiarmid | XLN49 | " | " |
| WHITE RIVER | White River | XLQ78 | 4880 | 46.62 |
| | Franz | XLN62 | " | " |
| | Wawa | XLN63 | " | " |
| | Mobert | XLN61 | " | " |
| | Manitouwadge Lake | XMN25 | " | " |
| SAULT STE. MARIE | Sault Ste. Marie | XLN58 | 4880 | 46.78 |
| | Blind River | XLN65 | " | " |
| | Ranger Lake | XLN261 | " | " |
| | Elliot Lake | XLN264 | " | " |
| | Peshu Lake | XLQ41 | " | " |
| | Sand Lake | XLQ77 | " | " |
| | Pancake Bay | XLR39 | " | " |
| | Kirkwood | XLP44 | | " |
| | Mount Lake | XLR69 | " | " |

| | | | | |
|-------------------|---------------------|--------|-------|-------|
| GOGAMA | Gogama | XLN78 | 4880 | 46.82 |
| | Elsas | XLN79 | " | " |
| | Foleyet | XLN84 | " | " |
| | Opishing Lake | XMN42 | " | " |
| | Ronda | XLP69 | " | " |
| | Marne Lake | XLN283 | " | " |
| CHAPLEAU | Chapleau | XLN82 | 4880 | 46.70 |
| | Missanabie | XLR52 | " | " |
| | Sultan | XLQ73 | " | " |
| | Biscotasing | XLN80 | " | " |
| | Unegam Lake | XLN205 | " | " |
| | Racine Lake | XMN77 | " | " |
| SUDBURY | Wrong Lake | XLP46 | " | " |
| | Sudbury | XLN77 | 4880 | 46.86 |
| | Skead | XLQ80 | " | " |
| | Espanola | XLQ44 | " | " |
| | Jamot | XLR30 | " | " |
| | Massey | XLR29 | " | " |
| | Windy Lake | XLK67 | " | " |
| | Southbaymouth | XLS86 | " | " |
| | Sandfield | XLR68 | " | " |
| | Stinson | XLN239 | " | " |
| | Fairbank Lake | XLN39 | " | " |
| | George Lake | XLS85 | " | " |
| | Little Current | XMN24 | " | " |
| | Panache Lake | XLN271 | " | " |
| KAPUS-KASING | Kapuskasing | XLP78 | 4535 | 46.86 |
| | Hearst | XLN69 | " | " |
| | Hornepayne | XLN73 | " | " |
| | Oba | XLN74 | " | " |
| | Nagogamisis Lake | XLN237 | " | " |
| | Little Long Rapids | XLN240 | " | " |
| ROGERS TOWNSHIP | Rogers Township | XLR71 | " | " |
| | Cochrane | XLQ37 | 4535 | 46.78 |
| | Timmins | XLN70 | " | " |
| | Eades | XLN71 | " | " |
| | Wade Lake | XLQ45 | " | " |
| | Moosonee | XMN43 | " | " |
| | Smooth Rock Falls | XLQ76 | " | " |
| | Nellie Lake | XLN208 | " | " |
| KETTLE LAKES PARK | Kettle Lakes Park | XLN209 | " | " |
| | Swastika | XLN68 | 4535 | 46.62 |
| | Elk Lake | XLN72 | " | " |
| | Matheson | XLS54 | " | " |
| | Larder Lake | XLN95 | " | " |
| | Matachewan | XLN60 | " | " |
| | Gowganda | XLQ90 | " | " |
| | Hills Lake | XLQ89 | " | " |
| | Englehart | XLR64 | " | " |
| | Burt Twp. Nursery | XLN212 | " | " |
| NORTH BAY | North Bay | XLN83 | 4520 | 46.78 |
| | Temagami | XLN81 | " | " |
| | Lady Evelyn Lake | XLN42 | " | " |
| | Latchford | XLN252 | " | " |
| | McConnell Lake | XLN246 | " | " |
| | Bear Island | XLN251 | " | " |
| | Haddo | XLP45 | " | " |
| | Devils Lake | XLN253 | " | " |
| | Field | XLN247 | " | " |
| | Samuel de Champlain | XLN270 | " | " |
| MARTEN RIVER | Marten River | XLN274 | " | " |
| | Pembroke | XLN92 | 45.75 | 46.86 |
| | Smoke Lake | XLN90 | " | " |
| BRENT | Brent | XLN91 | " | " |

| | | | | |
|------------------------------|--------------------|--------|-------|-------|
| PEMBROKE (Cont'd) | Stonecliffe | XLN94 | 47.75 | 46.86 |
| | Whitney | XIQ43 | " | " |
| | Achray | XIQ47 | " | " |
| | Round Lake | XLR40 | " | " |
| | Kiosk | XLN50 | " | " |
| | Sasajewun Lake | XLN51 | " | " |
| | Swan Lake | XLN59 | " | " |
| PARRY SOUND | Parry Sound | XLN89 | 4520 | 46.62 |
| | Loring | XLN93 | | " |
| | Powassan | XMN35 | | " |
| | Byng Inlet | XLS24 | | " |
| | Ardbeg | XMN33 | | " |
| | Dorset | XMN34 | | " |
| | Bracebridge | XMN75 | | " |
| TWEED | Tweed | XIQ69 | 4775 | 46.70 |
| | Bancroft | XIQ50 | " | " |
| | Palmer Rapids | XLR41 | " | " |
| | Dacre | XLS23 | " | " |
| | Plevna | XLN53 | " | " |
| | Gilmour | XMN40 | | " |
| | White Lake | XLP75 | | " |
| | Napanee | XIQ31 | | " |
| | Green Lake | XLR61 | " | " |
| | Bon Echo Park | XLN286 | | " |
| LINDSAY | Lindsay | XLR57 | 4775 | 46.78 |
| | Minden | XIQ70 | " | " |
| | Gooderham | XMN27 | " | " |
| | Orono | XMN29 | | " |
| | Haliburton | XLR43 | " | " |
| | Presqu'ille Park | XLN46 | | " |
| | Apsley | XMN44 | " | " |
| | Ranger School | XLN25 | " | " |
| | Darlington Park | XLN280 | " | " |
| KEMPTVILLE | Kemptville | XMN41 | 4775 | 46.62 |
| | La Rose | XMN51 | | " |
| | Westport | XL054 | | " |
| | Fitzroy Park | XLN272 | | " |
| | Lanark | XL087 | | " |
| LAKE ERIE | Aylmer | XL052 | 4775 | |
| | Holiday Beach Park | XLN267 | " | |
| | Wheatley | XLN268 | " | |
| | St. Williams | XMN28 | " | |
| | Rondeau Park | XLR60 | " | |
| | Pinery Park | XLP90 | " | |
| LAKE SIMCOE | Coldwater | XMN36 | | 46.82 |
| | Severn Falls | XMN37 | | " |
| | Honey Harbour | XMN39 | | " |
| | Six Mile Lake | XLR85 | | " |
| | Angus | XLN269 | | " |
| | Sibbald Point Park | XLN284 | | " |
| LAKE HURON | Hespeler | XLN271 | | 46.70 |
| | Miller Lake | XLN276 | | " |
| | Owen Sound | XLN41 | | " |

Alternate Kc/s: 4535, 4775, 4880, 5410, 5499, 9160.

Alternate Mc/s: 46.70, 46.74, 46.78, 46.82, 46.86.

* Maple frequently uses 5410 and 9160 Kc/s. to reach District Office stations; answers aircraft on their own frequency.

NEW POLICIES

LANDS AND SURVEYS BRANCH

SURVEYOR-GENERALS OR DIRECTORS OF SURVEYS

| | | |
|---------------------------|-----------|--------------------------------------|
| Samuel Holland | | |
| Northern District of | | |
| North America | | |
| | 1764-1801 | Surveyor-General |
| Sir D. W. Smith | 1801-1805 | Surveyor-General |
| C. B. Wyatt | 1806- | Surveyor-General |
| Thomas Ridout | 1807-1829 | Surveyor-General |
| Hon. S. P. Hurd | 1832-1835 | Surveyor-General |
| J. Macaulay | 1836-1838 | Surveyor-General |
| Hon. R. B. Sullivan | 1838-1840 | Surveyor-General |
| Thos. Parke | 1841-1845 | Surveyor-General |
| * G. B. Kirkpatrick | 1880-1917 | Director of Surveys |
| * L. V. Rorke | 1918-1928 | Director of Surveys |
| † L. V. Rorke | 1928-1936 | Deputy Minister/ Surveyor-General |
| ‡ C. H. Fullerton | 1936-1946 | Surveyor-General |
| F. W. Beatty | 1946-1962 | Surveyor-General |
| Robert G. Code | 1962- | Surveyor-General |

* Office of Surveyor-General abolished 17th March, 1845, by Provincial Statute 8 Vic., Chapter XI, Sec. 1, which consolidated the Department and office under the Commissioner of Crown Lands.

† Office of Surveyor-General re-established by Provincial Statute 18 Geo. V., Chap. 9, 1928, as Deputy Minister to be known as Surveyor-General, under Public Lands Act.

‡ Act of 1928 amended in 1942 by Statute Law Amendment Act and office of Surveyor-General re-established, under Public Lands Act.

Lands and Surveys were established as separate Divisions in the re-organization of the Department in 1941. Surveys was re-formed as Surveys and Engineering in 1944. The two were united in 1957 as Division of Surveys with two Branches, Lands and Surveys. In 1959, the Branches became Sections in Lands and Surveys Branch. Land Use Planning and Engineering Sections were added in 1962.

Robert G. Code was appointed Surveyor-General on June 8th, 1962.

LANDS AND SURVEYS BRANCH

Chief: R. G. CODE

LANDS SECTION

Supervisor: J. W. Giles

Management of public lands including lands under water. Disposal by sale, patent, vesting order, quit claim deed, lease, licence of occupation or land use permit for many private, commercial, industrial, municipal or public uses; release of reservations in patents, assignments, cancellations. Reservation of land for parks, access points, other public and government uses.

SURVEYS SECTION

Supervisor: S.B.Panting

Surveys and descriptions on Crown lands for parks, Base and Meridian lines, summer resort and recreational purposes, lands for acquisition or disposition. Retracement surveys and restoration of original Crown survey points.

Inspection, recording and custody of original plans and field notes of Crown and Municipal surveys.

Map compilation. Authorization of Geographical Names.

Distribution of maps, publications and copies of survey records.

Accounts payable, supplies and equipment.

ENGINEERING SECTION

Approval of dams. Licences of occupation for dams, flooding and diversions. Water resource management. Issuance and servicing of Water Power Lease Agreements. Plans for buildings, renovation of plant and equipment. Engineering consultations. Access Roads.

LAND USE PLANNING SECTION

Supervisor: E.L.Ward

Supervision of the preparation of Land Use plans. Wilderness Areas. Advisory Committee on Recreational Land Use Planning. Private Lands Liason Committee.

LAND ACQUISITION SECTION

Recommendations and applications for purchase of private lands for water access, hunting, fishing, forestry, recreation and other public uses.

SURVEYS SECTION

By Order-in-Council dated November 18th, 1791, Quebec was divided into the Provinces of Lower Canada and Upper Canada. The latter included all territory to the west and south of a described line (which is the present eastern boundary of Ontario) to the utmost extent of the country called Canada. Townships were surveyed as described in the following periods:-

| | | |
|-----------|---|--|
| 1783-1818 | - | single front |
| 1787-1813 | - | front and rear |
| 1818-1829 | - | double front |
| 1829-1851 | - | 2,400-acre block |
| 1835-1906 | - | 1,000-acre block |
| 1859 | - | Townships 6 miles square - no road allowances - Townships divided into 36 sections. |
| 1872 | - | Townships 6 miles square - no road allowances - 6 concessions and 12 lots. |
| 1876 | - | Townships - similar manner to Dominion Land Survey system - 36 sections with 1-1/2 chain road allowances around each section. |
| 1906 | - | 1,800-acre blocks. |

Since the first township was surveyed in 1783, more than 1,100 townships have been surveyed and divided into lots and concessions. In addition, the boundaries of 1,300 unsubdivided townships have been surveyed.

To avoid extensive retracement surveys and to reduce the cost of surveys in subdivided townships, 175 township subdivision surveys have been annulled, as of Nov. 30th, 1963, under the provisions of Section 10 (1) of the Public Lands Act; the first annulment was in 1947. These townships are now treated as unsubdivided.

Township subdivision surveys are annulled where there is little or no agricultural or mining development; where the land belongs wholly or mainly to the Crown; where original survey lines and corners are largely obliterated; or when the original survey was made many years ago.

The eastern boundary of Ontario was surveyed from Lake Timiskaming north to mile 42 in 1874; to mile 88 in 1905; to mile 140 in 1906; to mile 208 in 1907 and to James Bay in 1931.

The western boundary was surveyed from the Lake of the Woods to the Winnipeg River - 1897-98; to the 12th Base Line, D. L. S. System, 1921-22; to the most easterly point of Island Lake - 1929-30; to the Echoing River in 1937 and to Hudson Bay, 1947-48. Erection of permanent monuments, chaining, etc., from Island Lake to Hudson Bay was carried out in 1950.

The request for land for recreational use has increased greatly since 1948. To ensure orderly development, the Department adopted the policy of zoning areas for various uses and restricting the disposition of land for recreational purposes to areas accessible by public roads or railroads. Up to twenty percent of the shoreline is reserved for public and future use.

The present policy is to sell land in accordance with registered Plans of subdivision. From February, 1959, to Nov. 30th, 1963, 546 plans of subdivision for summer resort purposes have been registered; they cover 6,699 lots.

The many requests for summer resort lots have necessitated retracement surveys where the original surveys have been obliterated, particularly in Muskoka, Parry Sound and Haliburton areas.

Assistance has been granted to some rural municipalities to help meet the cost of municipal surveys of the original road allowances.

In 1922, the Department began the sketching and mapping of forested areas from oblique aerial photographs. Since 1926, vertical photographs have been used. In 1954, an Otter aircraft was purchased for aerial photography. Aerial photographs of 284,906 square miles had been taken by our staff members by March 31st, 1958, when aerial photographs and mosaics were taken over by Silviculture Section of Timber Branch.

Under The Beds of Navigable Waters Act, 1911, and The Water Powers Regulation Act, 1916, leases have been granted for development of hydro-electric power plants. The total installed capacity of power plants under lease and in service is 4,654,820 horsepower. The installed capacity of plants not under lease from the Province (including Niagara plants) is 3,559,900 horsepower.

Under the Lakes and Rivers Improvement Act, plans of all dams on rivers and streams must be submitted to the Department for approval before construction. The Department controls the regulation of the discharge of water through any dam on navigable waters under the jurisdiction of the Province. It regulates the discharge of water from lakes where dams have been rebuilt by the Department of Public Works for conservation purposes.

In 1962 a definite program of remonumenting original Crown survey points, with permanent survey monuments, (iron bars or posts, with bronze caps) of corners which are rapidly becoming obliterated, to preserve the original survey fabric of the province, was instigated. In the same year, the policy of making retracement surveys for the same purpose was intensified.

LANDS SECTION

The Lands Branch of the Provincial Administration came into being in 1827 with the establishment of the Department of Crown Lands under the Hon. Peter Robinson. Before that date, lands were administered under proclamations and legislative enactments. In the early days of settlement, timber was of little value and settlers burned the forests to bring land into cultivation.

Early lands administrators were confronted by many problems arising from the influx of U.E. Loyalists and later immigrants, Clergy Reserves and the manipulations of land companies formed for colonization. Some of these problems were recited in the first printed annual report in 1857.

On March 29, 1961, Sections 44 to 61 inclusive of the Public Lands Act, dealing with agricultural land disposition were repealed in recognition of the need for a modern concept, to provide land for agricultural purposes. Large areas of farmland remaining in private or municipal ownership have been abandoned over the years, and to these a prospective farmer is first directed. If Crown lands are most suited to the needs, however, the application is considered by the Public Agricultural Lands Committee which thoroughly investigates the land capability, social and economic factors of establishing the applicant on the land, his ability and need for the land. This policy permits a flexible approach to work out a suitable arrangement and ensure a more successful enterprise.

The orderly disposition of summer resort lands follows detailed planning by the local officers of the Department who lay out subdivisions at a rate to keep pace with demand in their areas.

Provision for future public use is made when a lake is first planned by the reservation of access points and a total frontage in excess of 25% of the shoreline. Suitable portions of the balance are then subdivided into lots and the plans registered following careful scrutiny by other Government Departments and local health officers. Once a plan is registered, lots may be sold for cash by the District Office at rates set by regulation and patent issued when the building requirements are met.

Tourist operators purchase commercial resort lands under conditions of size, price and improvements specified by regulation.

The need for service facilities, such as accommodation, food and fuel along the many highways being built in the north to satisfy the demands of an increased population with more leisure time, is met by the selection of suitable commercial sites and the offering of these, by tender or auction, under lease until specified improvements are made, at which time the option to purchase can be exercised. Commercial sites to serve the public on lakes are similarly provided.

Commercial, industrial and private waterlots are rented to riparian land owners under lease or licence of occupation following an established procedure designed to safeguard the interests of the public, adjoining owners and municipalities at rentals fixed by regulation or appraisal.

Areas for hunting and fishing camps can be rented under land use permit issued by the District Forester in parts of the Province where density has not reached saturation. The permit does not carry with it any hunting privileges.

LAND USE PLANNING SECTION

Created in 1958 to supervise and co-ordinate the functioning of land use planning. Recommendations for the establishment of Wilderness Areas including Nature Reserves are processed. The Recreational Land Use Planning Advisory Committee was established by Order-in-Council to advise on recreational planning in the departmental administrative districts. The Private Lands Liason Committee is a joint committee with the Department of Agriculture to deal with common problems.

LAND ACQUISITION SECTION

Created in 1963 this section processes recommendations and applications from the various departmental administrative districts for the purchase of private lands for water access, hunting, fishing, forestry, recreation and other public uses.

PINE TREE RESERVATIONS

The Act of 1868 (31 Victoria, Chap.8) reserved pine trees on land located as free grants but passed the pine trees to the grantee with the land when the patent was issued.

The reservation of pine trees continued until 1937 except under the 1913 Amendment of The Public Lands Act. This provided that where the land was not in timber licence and where the locatee was in residence and making improvements, he could request that pine trees be included in the patents; or, if the patent had been issued previously, he could request a pine patent.

The Free Grant and Homesteads Act of 1908 provided for the opening of land (with the approval of the Lieutenant-Governor in Council) not previously opened and not withdrawn from settlement. All patents of this land included the pine trees provided the land was not under timber licence.

The Department of Lands and Forests and of Mines were separated by Chapter 12, Geo. V., 1920, effective June 4th. Under the Acts dealing with mining lands, pine trees were reserved in patents between April 1869, and March, 1918. After March, 1919, all trees were reserved.

DISTRIBUTION OF LITHOGRAPHED MAPS in years ending March 31st

| Year | 20, 20A* | District | Island | Township 28, 42A* | Electoral 33A | Misc. | Provincial Total | National† Topographic | Grand Total |
|------|----------|----------|--------|----------------------|------------------|--------|---------------------|--------------------------|----------------|
| 1947 | 3,650 | 7,378 | 600 | 1,772 | 141 | 3,103 | 16,644 | 10,535 | 27,179 |
| 1948 | 1,975 | 7,373 | 168 | 506 | 25 | 1,100 | 11,147 | 11,215 | 22,362 |
| 1949 | 4,800 | 8,169 | 357 | 1,004 | 169 | 2,030 | 16,529 | 15,241 | 31,770 |
| 1950 | 1,896 | 7,560 | 1,255 | 510 | 152 | 5,062 | 16,435 | 17,013 | 33,448 |
| 1951 | 2,814 | 6,730 | 650 | 370 | 61 | 3,433 | 14,058 | 21,435 | 35,493 |
| 1952 | 2,096 | 9,426 | 932 | 285 | 311 | 3,292 | 16,342 | 24,139 | 40,481 |
| 1953 | 1,990 | 8,156 | 791 | 330 | 207 | 4,150 | 15,624 | 30,310 | 45,934 |
| 1954 | 2,734 | 9,254 | 593 | 216 | 64 | 5,167 | 18,028 | 34,459 | 52,487 |
| 1955 | 3,045 | 12,137 | 607 | 459 | 250 | 8,766 | 25,264 | 48,283 | 73,547 |
| 1956 | 2,113 | 10,475 | 882 | 576 | 839 | 1,254 | 16,139 | 48,604 | 64,743 |
| 1957 | 2,212 | 11,687 | 671 | 398 | 190 | 12,776 | 27,934 | 50,013 | 77,947 |
| 1958 | 1,831 | 12,592 | 345 | 491 | 126 | 1,890 | 17,275 | 62,048 | 79,323 |
| 1959 | 2,435 | 9,071 | 462 | 448 | 259 | 10,400 | 23,075 | 68,787 | 91,862 |
| 1960 | 1,285 | 9,728 | 345 | 829 | 320 | 8,369 | 20,876 | 68,891 | 89,767 |
| 1961 | 1,333 | 6,906 | 219 | 530 | 142 | 7,686 | 16,816 | 63,104 | 79,920 |
| 1962 | 2,523 | 10,755 | ... | 584 | 503 | 18,500 | 32,865 | 78,866 | 111,731 |
| 1963 | 1,194 | 11,215 | ... | 113 | 193 | 9,404 | 22,119 | 69,554 | 91,673 |

*Map 20A (free issue) replaced by Map 20 in 1958. Map 42A replaced by Map 28 in 1959.

† National Topographic (except for official use) are for resale, including Dominion and Provincial N.T.S. sheets

DISPOSITION OF LAND BY PATENT — DOCUMENTS

in years ending March 31st (October 31st up to 1934)

| Year | Free Grant | Agri-cultural | Summer Resort | Town, City Townplot | Quit Claims | Misc | Total |
|------|------------|---------------|---------------|---------------------|-------------|------|-------|
| 1921 | 500 | 307 | 30 | 30 | | | 867 |
| 1922 | 460 | 328 | 12 | 50 | | | 850 |
| 1923 | 411 | 471 | 18 | 51 | | | 951 |
| 1924 | 357 | 399 | 22 | 73 | | | 851 |
| 1925 | 367 | 329 | 45 | 115 | | | 856 |
| 1926 | 367 | 392 | 24 | 102 | | | 885 |
| 1927 | 251 | 336 | 12 | 110 | | | 609 |
| 1928 | 255 | 252 | 26 | 99 | | | 632 |
| 1929 | 220 | 318 | 15 | 79 | | | 632 |
| 1930 | 245 | 460 | 122 | 74 | | | 901 |
| 1931 | 205 | 437 | 126 | 72 | | | 840 |
| 1932 | 151 | 357 | 129 | 70 | | | 707 |
| 1933 | 88 | 188 | 122 | 70 | | | 495 |
| 1934 | 154 | 173 | 112 | 69 | | | 528 |
| 1935 | 46 | 58 | 44 | 21 | | | 177 |
| 1936 | 162 | 187 | 101 | 68 | | | 530 |
| 1937 | 111 | 104 | 149 | 53 | | | 433 |
| 1938 | 165 | 213 | 165 | 53 | | | 603 |
| 1939 | 130 | 178 | 129 | 122 | | | 590 |
| 1940 | 151 | 148 | 106 | 106 | | | 527 |
| 1941 | 154 | 172 | 126 | 86 | | | 552 |
| 1942 | 131 | 137 | 98 | 85 | | | 474 |
| 1943 | 181 | 161 | 127 | 50 | | | 541 |
| 1944 | 218 | 359 | 231 | 76 | | | 954 |
| 1945 | 226 | 315 | 206 | 108 | | | 929 |
| 1946 | 216 | 321 | 277 | 130 | | | 1,049 |
| 1947 | 168 | 433 | 496 | 249 | | | 1,491 |
| 1948 | 164 | 299 | 446 | 153 | | | 1,062 |
| 1949 | 107 | 225 | 756 | 146 | | | 1,421 |
| 1950 | 196 | 316 | 1,046 | 182 | | | 1,927 |
| 1951 | 150 | 256 | 1,125 | 143 | | | 1,849 |
| 1952 | 165 | 242 | 1,294 | 90 | | | 1,948 |
| 1953 | 120 | 256 | 1,263 | 126 | | | 1,935 |
| 1954 | 136 | 256 | 1,312 | 99 | | | 1,957 |
| 1955 | 87 | 188 | 1,479 | 70 | | | 1,987 |
| 1956 | 59 | 118 | 1,384 | 85 | | | 1,778 |
| 1957 | 40 | 126 | 1,164 | 7 | | | 1,469 |
| 1958 | 13 | 150 | 962 | 69 | | | 1,346 |
| 1959 | 36 | 118 | 1,220 | 104 | | | 1,587 |
| 1960 | 44 | 109 | 1,946 | 102 | | | 2,368 |
| 1961 | 29 | 108 | 1,841 | 94 | | | 2,231 |
| 1962 | 25 | 94 | 2,234 | 108 | 40 | 158 | 2,659 |
| 1963 | 30 | 84 | 1,418 | 106 | 23 | 146 | 1,807 |

DISPOSITION OF LAND BY PATENT — ACREAGE

in years ending March 31st (October 31st up to 1934)

| Year | Free Grant | Agri-cultural | Summer Resort | City, Town Townplot | Quit Claims | Misc. | Total |
|------|------------|---------------|---------------|---------------------|-------------|-------|---------|
| 1921 | 60,181 | 31,391 | 155 | 49 | | | 91,776 |
| 1922 | 64,813 | 43,120 | 70 | 90 | | | 108,093 |
| 1923 | 54,350 | 56,953 | 55 | 45 | | | 111,403 |
| 1924 | 52,423 | 49,471 | 72 | 25 | | | 101,991 |
| 1925 | 49,228 | 41,777 | 101 | 31 | | | 91,137 |
| 1926 | 47,115 | 47,493 | 58 | 35 | | | 94,701 |
| 1927 | 33,882 | 42,326 | 31 | 37 | | | 76,276 |
| 1928 | 35,903 | 31,069 | 55 | 127 | | | 67,154 |
| 1929 | 30,185 | 41,035 | 31 | 34 | | | 71,285 |
| 1930 | 33,243 | 51,059 | 400 | 112 | | | 84,814 |
| 1931 | 27,310 | 49,310 | 526 | 135 | | | 77,281 |
| 1932 | 19,334 | 40,276 | 360 | 81 | | | 60,051 |
| 1933 | 12,053 | 22,087 | 378 | 612 | | | 36,439 |
| 1934 | 19,662 | 22,749 | 366 | 18 | | | 42,837 |
| 1935 | 5,707 | 7,329 | 128 | 10 | | | 13,282 |
| 1936 | 21,340 | 22,999 | 349 | 43 | | | 44,777 |
| 1937 | 14,658 | 12,331 | 423 | 24 | | | 27,523 |
| 1938 | 20,490 | 27,266 | 402 | 122 | | | 48,418 |
| 1939 | 17,569 | 20,575 | 523 | 130 | | | 40,817 |
| 1940 | 18,206 | 17,236 | 522 | 126 | | | 36,279 |
| 1941 | 16,064 | 20,154 | 469 | 20 | | | 36,849 |
| 1942 | 14,973 | 15,798 | 361 | 31 | | | 33,308 |
| 1943 | 20,387 | 18,615 | 422 | 18 | | | 41,430 |
| 1944 | 28,611 | 43,846 | 660 | 32 | | | 76,920 |
| 1945 | 29,266 | 36,308 | 1,526 | 50 | | | 70,993 |
| 1946 | 26,068 | 36,683 | 781 | 130 | | | 74,158 |
| 1947 | 21,669 | 52,190 | 1,765 | 175 | | | 89,072 |
| 1948 | 22,119 | 32,930 | 1,154 | 166 | | | 56,369 |
| 1949 | 14,360 | 26,435 | 1,985 | 67 | | | 55,979 |
| 1950 | 24,287 | 35,484 | 2,616 | 112 | | | 118,960 |
| 1951 | 19,826 | 28,105 | 2,205 | 94 | | | 55,702 |
| 1952 | 21,412 | 26,474 | 3,364 | 38 | | | 58,606 |
| 1953 | 29,319 | 29,319 | 2,287 | 69 | | | 54,738 |
| 1954 | 29,124 | 29,124 | 2,169 | 63 | | | 55,237 |
| 1955 | 21,266 | 21,266 | 2,438 | 27 | | | 40,020 |
| 1956 | 7,502 | 12,206 | 1,588 | 1,613 | | | 29,183 |
| 1957 | 5,259 | 14,883 | 1,411 | 830 | | | 27,558 |
| 1958 | 1,847 | 15,472 | 1,350 | 323 | | | 24,612 |
| 1959 | 4,658 | 12,206 | 1,588 | 52 | | | 21,060 |
| 1960 | 5,910 | 11,380 | 2,011 | 295 | | | 29,970 |
| 1961 | 3,701 | 11,633 | 1,933 | 182 | | | 22,388 |
| 1962 | 2,670 | 10,267 | 2,415 | 63 | 3,409 | 4,091 | 22,915 |
| 1963 | 3,939 | 9,512 | 1,494 | 65 | 1,387 | 4,863 | 21,260 |

SUMMER RESORT LANDS in years ending March 31st.

| Year | Sales | Acres | Cancellations | Acres | Assignments | Acres | Patents | Acres | Surveys |
|------|-------|-------|---------------|-------|-------------|-------|---------|-------|---------|
| 1944 | 344 | 948 | 10 | 25 | 3 | 5 | 231 | 659 | ... |
| 1945 | 459 | 1,180 | 11 | 20 | 9 | 15 | 206 | 1,525 | 330 |
| 1946 | 535 | 1,411 | 11 | 35 | 14 | 32 | 277 | 781 | 358 |
| 1947 | 666 | 1,841 | 6 | 6 | 37 | 186 | 496 | 1,764 | 388 |
| 1948 | 700 | 1,700 | 26 | 69 | 34 | 139 | 446 | 1,153 | 692 |
| 1949 | 1,010 | 2,336 | 45 | 218 | 40 | 107 | 756 | 1,984 | 1,199 |
| 1950 | 1,202 | 2,512 | 77 | 610 | 38 | 95 | 1,046 | 2,613 | 1,435 |
| 1951 | 1,360 | 2,484 | 62 | 112 | 50 | 94 | 1,125 | 2,294 | 1,737 |
| 1952 | 1,601 | 2,769 | 75 | 148 | 35 | 319 | 1,294 | 3,363 | 1,800 |
| 1953 | 1,290 | 2,278 | 73 | 183 | 40 | 127 | 1,263 | 2,287 | 1,458 |
| 1954 | 1,435 | 2,133 | 76 | 447 | 37 | 72 | 1,312 | 2,168 | 1,752 |
| 1955 | 1,278 | 1,871 | 84 | 166 | 28 | 42 | 1,479 | 2,438 | 1,670 |
| 1956 | 1,176 | 1,614 | 108 | 183 | 12 | 17 | 1,384 | 2,089 | 1,269 |
| 1957 | 714 | 958 | 61 | 124 | 17 | 17 | 1,164 | 1,411 | 1,207 |
| 1958 | 1,344 | 1,678 | 36 | 53 | 13 | 15 | 962 | 1,350 | 2,083 |
| 1959 | 2,155 | 2,517 | 27 | 28 | 19 | 23 | 1,220 | 1,588 | 2,660 |
| 1960 | 2,418 | 2,345 | 33 | 49 | 29 | 25 | 1,946 | 2,010 | 2,307 |
| 1961 | 1,557 | 1,543 | 58 | 72 | 25 | 25 | 1,840 | 1,929 | 2,935 |
| 1962 | 1,391 | 1,377 | 55 | 77 | 22 | 26 | 2,234 | 2,415 | 2,577 |
| 1963 | 1,131 | 1,068 | 25 | 29 | 11 | 8 | 1,418 | 1,494 | 1,374 |

AGRICULTURAL LAND SALES in years ending March 31st

| Year | No. of Sales | Acres | No. of Cancellations | Acres | No. of Assignments | Acres | No. of Patents | Acres |
|------|--------------|--------|----------------------|--------|--------------------|--------|----------------|--------|
| 1944 | 325 | 31,934 | 445 | 39,615 | 177 | 20,124 | 359 | 43,845 |
| 1945 | 269 | 27,158 | 562 | 49,651 | 152 | 16,002 | 315 | 36,307 |
| 1946 | 281 | 26,535 | 438 | 42,933 | 162 | 17,464 | 321 | 36,683 |
| 1947 | 303 | 29,757 | 338 | 29,470 | 222 | 22,801 | 433 | 52,189 |
| 1948 | 280 | 29,506 | 402 | 37,069 | 185 | 21,667 | 299 | 32,929 |
| 1949 | 277 | 28,740 | 378 | 35,095 | 105 | 12,392 | 225 | 26,435 |
| 1950 | 267 | 26,671 | 327 | 32,452 | 113 | 12,145 | 316 | 35,483 |
| 1951 | 195 | 19,228 | 221 | 22,134 | 69 | 7,673 | 256 | 28,104 |
| 1952 | 223 | 24,420 | 143 | 13,358 | 71 | 7,313 | 242 | 26,474 |
| 1953 | 186 | 21,965 | 221 | 21,645 | 70 | 7,560 | 256 | 29,319 |
| 1954 | 144 | 14,534 | 131 | 13,049 | 50 | 4,484 | 256 | 29,123 |
| 1955 | 158 | 15,232 | 161 | 17,377 | 92 | 4,131 | 188 | 21,265 |
| 1956 | 117 | 12,230 | 184 | 18,513 | 26 | 3,008 | 148 | 17,892 |
| 1957 | 82 | 8,683 | 191 | 19,038 | 15 | 1,461 | 126 | 14,882 |
| 1958 | 101 | 10,543 | 174 | 17,087 | 7 | 807 | 150 | 15,471 |
| 1959 | 101 | 10,607 | 141 | 13,788 | 12 | 1,227 | 110 | 11,644 |
| 1960 | 68 | 6,758 | 59 | 5,788 | 3 | 211 | 105 | 10,980 |
| 1961 | 35 | 3,808 | 94 | 9,133 | 15 | 1,531 | 108 | 11,633 |
| 1962 | 10 | 1,102 | 58 | 5,892 | 4 | 330 | 94 | 10,267 |
| 1963 | 5 | 284 | 59 | 5,868 | 5 | 446 | 84 | 9,512 |

FREE GRANT LAND in years ending March 31st

| Year | Locations | Acres | Cancellations | Acres | Assignments | Acres | Patents | Acres Patented |
|------|-----------|-------|---------------|--------|-------------|--------|---------|----------------|
| 1944 | 20 | 2,694 | 528 | 64,783 | 89 | 11,310 | 218 | 28,610 |
| 1945 | 21 | 2,308 | 678 | 83,655 | 116 | 14,441 | 226 | 29,266 |
| 1946 | 49 | 5,737 | 545 | 61,459 | 120 | 14,214 | 216 | 26,068 |
| 1947 | 73 | 8,243 | 449 | 51,906 | 122 | 15,523 | 168 | 21,668 |
| 1948 | 67 | 8,649 | 403 | 48,578 | 64 | 8,415 | 164 | 22,119 |
| 1949 | 49 | 5,872 | 280 | 30,536 | 54 | 7,085 | 107 | 14,360 |
| 1950 | 48 | 6,192 | 336 | 40,732 | 62 | 7,200 | 196 | 24,287 |
| 1951 | 28 | 3,608 | 289 | 35,371 | 56 | 7,747 | 150 | 19,826 |
| 1952 | 27 | 3,411 | 159 | 19,785 | 37 | 5,060 | 165 | 21,411 |
| 1953 | 36 | 4,655 | 181 | 21,874 | 25 | 3,452 | 120 | 16,131 |
| 1954 | 24 | 2,757 | 250 | 30,784 | 19 | 2,618 | 136 | 17,713 |
| 1955 | 17 | 1,823 | 209 | 25,755 | 7 | 1,005 | 87 | 11,219 |
| 1956 | 20 | 2,708 | 114 | 12,661 | 4 | 517 | 59 | 7,501 |
| 1957 | 8 | 878 | 78 | 8,727 | 1 | 151 | 47 | 6,089 |
| 1958 | 6 | 796 | 60 | 6,950 | 1 | 156 | 48 | 6,483 |
| 1959 | 4 | 462 | 43 | 4,689 | 1 | 160 | 36 | 4,658 |
| 1960 | 4 | 386 | 48 | 4,597 | 1 | 50 | 44 | 5,911 |
| 1961 | .. | ..... | 89 | 9,799 | 2 | 156 | 29 | 3,701 |
| 1962 | .. | ..... | 51 | 5,033 | .. | ..... | 25 | 2,670 |
| 1963 | .. | ..... | 74 | 7,979 | .. | ..... | 30 | 3,939 |

LAND USE PERMITS in years ending March 31st

| Year | Hunt Camp | Trappers Cabin | Residence and Garden | Agriculture | Marsh Hay | Mill Site | Sugar Bush | Boat House | Misc. | Dept. Houses | Total No. | Total Acres |
|------|--------------|-------------------|----------------------------|-------------|--------------|--------------|---------------|---------------|-------|-----------------|--------------|----------------|
| 1944 | 157 | 8 | 429 | 68 | 76 | 105 | 9 | 27 | 88 | ... | 967 | ..... |
| 1945 | 254 | 30 | 392 | 114 | 63 | 137 | .. | 31 | 131 | 89 | 1,241 | 16,466 |
| 1946 | 321 | 31 | 398 | 138 | 95 | 156 | .. | 44 | 251 | 236 | 1,670 | 17,207 |
| 1947 | 391 | 25 | 570 | 201 | 38 | 172 | 10 | 56 | 95 | 330 | 1,888 | 18,955 |
| 1948 | 464 | 47 | 489 | 233 | 15 | 197 | 2 | 80 | 307 | 377 | 2,211 | ..... |
| 1949 | 543 | 33 | 446 | 129 | 57 | 170 | 2 | 77 | 370 | 501 | 2,583 | 22,458 |
| 1950 | 786 | 18 | 386 | 122 | 67 | 175 | 4 | 42 | 265 | 1,262 | 3,270 | 15,846 |
| 1951 | 796 | 32 | 261 | 66 | 56 | 231 | 6 | 79 | 599 | 1,617 | 3,891 | 19,035 |
| 1952 | 866 | 13 | 259 | 47 | 34 | 239 | .. | 76 | 643 | 1,758 | ..... | ..... |
| 1953 | 957 | ... | 299 | 34 | 24 | 187 | 1 | 69 | 400 | 1,671 | 3,809 | 16,031 |
| 1954 | 1,064 | 4 | 224 | 35 | 19 | 169 | .. | 41 | 563 | 1,964 | 4,274 | 21,201 |
| 1955 | 1,220 | 29 | 246 | 34 | 10 | 180 | 9 | 102 | 683 | 2,046 | 4,559 | 18,128 |
| 1956 | 1,234 | 200 | 435 | 130 | 29 | 216 | 5 | 216 | 453 | 2,543 | 2,918 | 30,321 |
| 1957 | 1,248 | 328 | 459 | 84 | 36 | 215 | 5 | 237 | 537 | 2,613 | 3,059 | 29,669 |
| 1958 | 1,352 | 218 | 514 | 79 | 37 | 184 | 1 | 252 | 509 | 2,858 | 3,146 | 34,471 |
| 1959 | 1,190 | 279 | 514 | 89 | 31 | 214 | 3 | 368 | 365 | 3,121 | 3,053 | 36,742 |
| 1960 | 1,689 | 226 | 503 | 65 | 45 | 149 | 3 | 344 | 416 | 3,107 | 3,440 | 36,625 |
| 1961 | 1,875 | 201 | 328 | 48 | 22 | 188 | 7 | 255 | 548 | 3,181 | 3,472 | 29,899 |
| 1962 | 2,245 | 216 | 443 | 46 | 22 | 158 | 4 | 254 | 478 | 3,068 | 3,866 | 32,903 |
| 1963 | 2,163 | 241 | 441 | 49 | 17 | 152 | 4 | 265 | 572 | 3,210 | 3,904 | 37,078 |

Variations are, for the most part, due to cancellations or issue of patents. Totals do not include department houses.

WILDERNESS AREAS

The following have been declared wilderness areas under the Wilderness Areas Act of 1959 for the reasons stated.

1. **MASSACRE ISLAND** -- 70 acres in Lake of the Woods -- This island is of historical interest and the only site in Ontario where pelicans have been recorded as breeding. It also has a breeding colony of cormorants. It was on Massacre Island that Lieut. Jean Baptiste La Verandrye (son of the explorer, Pierre Gauthier De La Verandrye), Father Aulneau (Jesuit missionary) and 19 other men were slain by marauding Indians in 1736.

2. **JONES ROAD** -- 640 acres, north of Jackman Township, District of Kenora -- Of scientific and scenic value, this area is reserved for silvicultural research. It contains a red pine stand which is more than 300 years old.

3. **WHITE OTTER LAKE** -- 41 acres in District of Kenora -- Here is a log castle, perhaps unique, built by a Scottish trapper for a bride who never appeared. It also has a typical forest ranger log cabin.

5. **SIOUX MOUNTAIN** -- 28.4 acres in Drayton Township, District of Kenora -- This high, rocky hill, rising approximately 300 feet above the water opposite Sioux Lookout, is said to be the lookout where watch was kept for marauding bands of Sioux Indians -- hence, the name of the town.

6. **ECHO TOWNSHIP** -- 492 acres in Echo Township, District of Kenora -- Here is a stand of red pine which is scarce in Sioux Lookout District. It is set aside for silvicultural research, seed production and educational purposes.

7. **OUTER BARN ISLAND** -- 161 acres in District of Thunder Bay -- An isolated crag which should be set aside for posterity.

8. **BAT CAVE** -- 177 acres in Dorion Township, District of Thunder Bay -- Very few caves are found in northern Ontario and this particular one is the over-wintering place of a large number of bats. The adjacent area contains two rare plants: the Smooth Cliff Brake, Pellaea glabella, and Dickle's Fragile Fern, Cystopteris dickleana.

9. **SLEEPING GIANT** -- 633 acres in Sibley Township, District of Thunder Bay -- A well known point of interest at the head of the lakes; a geological formation which resembles the recumbent form of a human.

10. **PORPHYRY ISLAND** -- 260 acres in District of Thunder Bay -- This island contains flora which are rare in this area.

12. **SUTTON LAKE GORGE** -- 125 acres in District of Kenora, Patricia Portion -- The only nesting place for the golden eagle in Ontario. Here, Sutton Lake narrows to a width of approximately ten feet between walls of solid rock which rise to a height of four hundred feet above lake level. This rock outcrop is surrounded by muskeg which reaches in all directions for many miles.

13. **CAPE HENRIETTA-MARIA** -- 144,000 acres in District of Kenora, Patricia Portion -- Here are flora and fauna with an Arctic element found nowhere else in Ontario. Arctic mammals, such as the walrus, polar bear and bearded seal, occur here, as well as eleven species of Arctic birds which breed nowhere else in Ontario.

14. **OLD FORT ALBANY** -- 11 acres in District of Cochrane -- This is the site of one of the early Hudson's Bay Company posts, said to be one of the oldest places of residence in Ontario.

15. **ABITIBI NARROWS** -- 9.75 acres in Rand Township, District of Cochrane -- The site of an old Hudson's Bay Company fur trading post and also the site of an old Indian burial ground.

16. **FAIRY POINT** -- 640 acres in Missinaibi Township, District of Sudbury -- The site of an old Indian battle ground; it contains a large number of Indian paintings or pictographs.

17. **WHITEFISH FALLS** -- 266 acres in Missinaibi Township, District of Sudbury -- Reserved for its aesthetic and recreational value.

18. **OLD BRUNSWICK HOUSE** -- 51 acres in Kildare Township, District of Algoma -- The site of a Hudson's Bay Company trading post.

19. **MONTREAL RIVER** -- 108 acres in Township 29, Range XIV, District of Algoma -- Here is a stand of red pine which is valuable as a seed orchard. This is the site of a Lake Superior beach, said to be more than 35,000 years old.

20. **HILTON TOWNSHIP** -- 97 acres in Hilton Township, District of Algoma -- This area is recommended for the demonstration of tree farming methods to members of 4H Clubs.

21. **CRATER LAKES** -- 550 acres in Killarney Township, District of Manitoulin -- A scenic and historic site.

22. **EIGHTEEN MILE ISLAND** -- 482 acres in Mason Township, District of Sudbury -- An area of silvicultural interest for the observation of the undisturbed succession of the existing forest type.

23. **GANLEY HARBOUR** -- 6.5 acres on shore of Lake Superior, District of Thunder Bay -- The site of early stone pits and cairns.

24. **RICHARDSON HARBOUR ISLAND** -- 42 acres in Homer Township, District of Thunder Bay, off the shore of Lake Superior -- The site of early stone pits and cairns.
25. **KISHKEBUS LAKE** -- 332 acres in Barrie Township, Frontenac County -- An area of high aesthetic and recreational value.
27. **MATAWATCHAN** -- 160 acres in Matawatchan Township, Renfrew County -- A stand of hardwood timber reserved for observation of the natural succession in an undisturbed area.
28. **RONDEAU PARK** -- 559.74 acres in Rondeau Provincial Park, Harwich Township, Kent County -- Here are samples of flora and fauna found in few other places in Ontario.
29. **TURKEY POINT** -- 52.85 acres in Charlotteville Township, Norfolk County -- This site contains flora and fauna distinctive of this part of Ontario.
30. **McCRAE LAKE** -- 625 acres in Baxter Township, District of Muskoka -- This area has recreational value and is also the site of biological investigations.
74. **PRESQU'ILE ISLANDS** -- 322 acres in Presqu'ile Provincial Park, Northumberland County -- An important nesting area for ring-billed gulls and common terns which occur on these islands in thousands.
78. **NEW BRUNSWICK HOUSE POST** -- 137 acres in Cromlech Township, District of Algoma -- The site of a Hudson's Bay Company post of historical interest.
82. **PINERY PROVINCIAL PARK FOREST** -- 197 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- This area was selected for its value for outdoor recreation and for scientific interest in its botany and physiography.
83. **PINERY PROVINCIAL PARK SHORE** -- 75 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- Reserved as an example of undisturbed shoreline with fore dune and rear dune area, "blow-out", and all the associated natural vegetation. This area possesses a peculiar, wild solitude. The geomorphology of shore dunes is extremely well shown by natural features which are unique in Ontario public lands.
84. **PINERY PROVINCIAL PARK DUNE FOREST** -- 129.5 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- An area which was repeatedly burned until the Park was acquired in 1955. In evidence are many "blow-outs" (complicating the topography of parallel dunes), "fixed" with vegetation which is a living example of natural forest succession under these conditions. With a light cover of oak and pine, this area has a potential for good nature trails and offers a magnificent view from a point overlooking the Ausable River and its march borders.

85. PINERY PROVINCIAL PARK FLOOD-PLAIN--25 acres in Pinery Provincial Park, Bosanquet Township, Lambton County -- Selected for scientific interest in botany and physiography and for its value for outdoor recreation.

86. AGATE ISLAND -- 148 acres in District of Thunder Bay -- Reserved to permit its retention in public ownership as a recreational area, particularly as a source of agates which are sought by amateur collectors.

89. TICKELL -- Gull Island in the Bay of Quinte -- This was the first wilderness area selected under the Act. It is restricted to preserve the island in its natural state and to provide a landing place for watercraft.

LATER ESTABLISHMENTS

88. TIMBER ISLAND -- 101-acre island in Prince Edward Bay of Lake Ontario, Township of South Marysburg, County of Prince Edward, a gift to the Crown from Mrs. H. J. Cody of Toronto. The island's 74 acres of timbered land is an interesting example of undisturbed forest development on the shallow limestone sites common in the area. It is suitable for a sanctuary for migratory birds. Established in 1961, 36th area.

80. PUKASKWA-- Approximately 1,000 square miles in the Districts of Algoma and Thunder Bay (White River Administrative District) with Lake Superior forming one-half of its boundary. It is a true wilderness because of its inaccessibility. The scenery, with rough terrain and rushing waters, is outstanding. The area is famous for its hunting, fishing and trapping. Established in 1963, 37th area.

NEW POLICIES

LAW BRANCH

The Department has maintained a solicitor on its staff for many years but it was not until the re-organization of 1941 that the Division of Law was established. Discontinued in 1950 and re-established on March 1st, 1955, the Division was re-organized as Law Section on December 3rd, 1957, becoming Law Branch on December 1st, 1959.

G. H. Ferguson was appointed Supervisor on December 1st, 1957.

The Patents Office was transferred to Law Branch from Lands and Surveys Branch on October 1st, 1961.

It is the function of Law Branch to act in an advisory capacity to the Minister and his deputies on the legal aspects of matters affecting the administration of the Department. It provides legal counsel for, and performs the legal work of the Department. As part of this legal work, the Patents Office engrosses letters patent, leases and licences of occupation, maintains records, and provides information to the public.

Grouped according to Branches, the Acts administered by the Department are as follows.

ACCOUNTS BRANCH

THE PROVINCIAL LAND TAX ACT applies to areas without municipal organization. The rate of tax is 1.5 per cent or 15 mills. The 1961-62 Act came into force on January 1st, 1963.

THE RAILWAY FIRE CHARGE ACT applies in areas without municipal organization to "railway lands" which include lands set apart under any general or specific Act as a land subsidy or otherwise in aid of a railway. The charge of \$12.80 per square mile is the same as the fire protection charge on Crown timber licensed areas.

CONSERVATION AUTHORITIES BRANCH

THE CONSERVATION AUTHORITIES ACT deals with the formation of authorities, the composition of the Metropolitan Toronto and Region Conservation Authority, the amalgamation and enlargement of authorities, advisory boards, execution committees, the formulating and approving of schemes to be undertaken, apportionment of costs among participating municipalities, and related matters.

THE GRAND RIVER CONSERVATION ACT, 1938, establishes and defines the powers and authority of the Grand River Conservation Commission.

LAW BRANCH

Supervisor: G. H. FERGUSON

SOLICITOR:

S.J. ANTONETTE

PATENTS OFFICE

Head Clerk: B.P. Foster

SECRETARY

Stenographic Staff

FISH AND WILDLIFE BRANCH

THE GAME AND FISH ACT, 1961-62, which came into force on June 1, 1963, deals with the management of wildlife resources: game animals; game birds (upland); fur-bearing animals; and sale and rearing of game fish. The Act relates to:-- open seasons for hunting and trapping; bag limits; Crown game preserves; fish sanctuaries; offences and enforcement; the licensing of hunters, trappers, guides, persons operating game bird hunting preserves, fur farms, and persons selling game fish for stocking and human consumption; the regulating of dogs used in hunting, aircraft transporting hunters, and conduct of hunters (hunter safety); and farm-hunter relations.

THE WOLF AND BEAR BOUNTY ACT prescribes bounties. (Payment of bear bounties ended on July 27th, 1961.)

THE WILD RICE HARVESTING ACT prohibits the harvesting of rice on Crown land except under the authority of a licence.

THE FISH INSPECTION ACT, 1955, is complementary to the Federal Act.

THE FISHERIES ACT (CANADA). Ontario Fishery Regulations are made under this Act; they relate to open seasons for angling and commercial fishing and the licences required. The form of licences and the fees are a provincial matter and are prescribed under The Game and Fisheries Act.

THE MIGRATORY BIRDS CONVENTION ACT. Open seasons for migratory birds are set by regulations under this Act.

FOREST PROTECTION BRANCH

THE FOREST FIRES PREVENTION ACT applies to the 20 fire districts set up by regulations. The fire season, from April 1st to October 31st, may be extended by regulation. Fire permits are required during the fire season except for fires set for cooking or warmth. Forest travel permits are required during the fire season in fire districts (which are also forest travel permit areas); this does not apply to travel on public roads or communities or waterways accessible by public roads or communities. A work permit is required at any time of the year for carrying on logging, mining, any industrial operation, clearing, etc. The Minister may order a fire district closed to travel during a time of high fire hazard. The Minister may enter into agreements with timber licensees, municipalities, etc., on the prevention and control of forest fires.

LANDS AND SURVEYS BRANCH

THE PUBLIC LANDS ACT provides for:- (1) An Advisory Committee to advise on matters referred by the Minister concerning renewable, natural resources; (2) A Public Agricultural Lands Committee to recommend on agricultural lands and their settlement, replacing the regulations on this subject; (3) The disposition of Crown land for a variety of purposes by sale, lease or licence, and by auction or tender; (4) The management of Crown land by the Department by zoning for land use, setting apart for public use, research, etc., and through agreements with municipalities on beaches and water lots.

THE SURVEYS ACT defines the systems of surveys and the rules for surveyors. The Minister orders surveys made on his own volition or upon application to settle disputes or lost lines, etc.; after hearing evidence, he confirms the surveys, with or without amendment.

THE SURVEYORS ACT deals with the Association of Ontario Land Surveyors and the rules governing membership and conduct. The Minister or his appointee, the Surveyor-General, is a member of the Council of Management.

THE LAKES AND RIVERS IMPROVEMENT ACT deals with:- the construction, repair and use of dams; timber driving; and timber slide companies and tolls. The Minister is charged with the responsibility of settling disputes between conflicting users under certain circumstances. An officer may be appointed to regulate the use of waters or works.

THE KILLARNEY RECREATIONAL RESERVE ACT, 1962-63, establishes the reserve and provides for the planning and development thereof and the appointment of a committee to advise the Minister thereon.

THE WATER POWERS REGULATION ACT imposes a duty on the owner of a water power to ensure its economical and efficient use by him; it provides for inspectors with power to order alterations, repairs or improvements in the works. (This power is rarely, if ever, used.) It provides for water power leases granted to H. E. P. C. and other water power developers.

THE WILDERNESS AREAS ACT. Its purpose is to preserve areas having some unique feature. Development or utilization of the natural resources in an area more than 640 acres in size is not affected by this Act. Since passed on March 26th, 1959, 37 areas have been set apart by regulations.

THE ONTARIO HARBOURS AGREEMENT ACT, 1962-63 confirms on behalf of Ontario the agreement between Ontario and Canada establishing the harbours which were public harbours at Confederation, providing that mines and minerals therein are administered by Ontario and confirming grants and quit claims listed therein. The federal harbours are Amherstburg, Belleville, Brockville, Chatham, Collingwood, Fort William, Gananoque, Goderich, Kincardine, Kingston, Kingsville, Leamington, Oshawa, Owen Sound, Penetanguishene, Port Arthur, Port Burwell, Port Hope, Port Stanley, Prescott, Rondeau Bay, Sarnia, Sault Ste. Marie, Southampton, Toronto, Whitby and Windsor.

THE BEDS OF NAVIGABLE WATERS ACT (sometimes referred to as the "Cochrane Act") is declaratory legislation relating to title in the beds of navigable waters. It followed the decision in the 1911 case of Keewatin Power versus the Town of Kenora. By the Act, the beds are deemed not to have passed to the grantee of bordering Crown land in the absence of an express grant.

PARKS BRANCH

THE PROVINCIAL PARKS ACT provides for the establishment of provincial parks and their management. Park Superintendents, District Foresters, Forest Rangers and Conservation Officers have the authority of a member of the O. P. P. in a provincial park.

Mining is prohibited in provincial parks except as provided in the regulations. The regulations on mining were revoked in 1956 and rights and interests existing at that time were preserved.

Hunting is prohibited in provincial parks except as provided in the regulations. This does not apply to the Townships of Bruton and Clyde (added to Algonquin Provincial Park by a Special Act) and some of the newer parks.

Concession leases are granted under the Act. The Province calls for tenders for buildings and facilities provided.

Vehicle admission charge is 50 cents per day or \$3.00 for the season. Campsite charges are \$1.00 per day. (The seasonal admission is valid for any provincial park or any park of the Ontario-St. Lawrence Development Commission or the Niagara Parks Commission. This arrangement is approved by the Ontario Parks Integration Board.)

This Act does not apply to any park under the management of the Niagara Parks Commission or the Ontario-St. Lawrence Development Commission.

TIMBER BRANCH

THE CROWN TIMBER ACT provides for the granting of licences by the Minister to cut Crown timber on the licensed area when tenders are called, or in a salvage operation, or where the Crown charges are less than \$1,000.00; and by the Minister, with the approval of the Lieutenant-Governor in Council, in other cases.

In contrast to licensed areas, Crown Management Units may be established and agreements entered into for the supply of Crown timber. Under this arrangement, the party to the agreement does not have exclusive cutting rights in a specific area until a licence is granted to him to fill his requirements for an operating season.

Basic Crown dues, fire protection charges and ground rent are fixed by the regulations.

Other subjects dealt with are: forest management plans and practices; examination of scalers and licensing of scalers; licensing of mills; penalties for wasteful practices, unauthorized cutting, removal of timber before scaling, and other violations; and protection of the Crown's interest through seizure, statutory lien for Crown charges, etc.

THE FORESTRY ACT. Under this Act:- (1) The Minister enters into agreements with landowners such as municipalities, conservation authorities and the National Capital Commission (Ottawa) to manage forest lands; (2) Department tree nurseries are established and nursery stock distributed; (3) Private forest reserves are set up on private lands with the consent of the owner.

THE TREES ACT provides that, with the Minister's approval, municipalities may pass by-laws restricting and regulating the destruction of trees and appoint enforcement officers. Generally, by by-law, municipalities may acquire land for forestry purposes and enter into agreements for the management of such lands and related matters.

THE SETTLERS' PULPWOOD PROTECTION ACT provides for the regulation of the sale and of the price of pulpwood cut from settlers' lands.

THE SPRUCE PULPWOOD EXPORTATION ACT provides for the exportation (under the authority of an Order-in-Council) of spruce pulpwood from lands granted under special Acts which prohibited such export.

THE WOODMEN'S EMPLOYMENT ACT authorizes the appointment of inspectors and the making of regulations respecting conditions in lumber camps.

THE WOODMEN'S LIEN FOR WAGES ACT provides lien and a procedure to enforce such lien for persons performing labour on timber.

GENERAL

THE ONTARIO PARKS INTEGRATION BOARD ACT. The Board consists of the Chairman of the Niagara Parks Commission, the Chairman of the Ontario-St. Lawrence Commission (or a Vice-Chairman designated by the Commission), the Treasurer of Ontario, the Minister of Lands and Forests, the Minister of Economics and Development and their successors from time to time, and any member of the Executive Council designated by the Lieutenant-Governor in Council.

The function of the Board is to establish integrated policies of management and development of provincial parks and parks under The Conservation Authorities Act, The Parks Assistance Act, The Niagara Parks Act and the Ontario-St. Lawrence Development Commission Act.

THE PARKS ASSISTANCE ACT provides financial assistance to municipalities (including certain Indian Bands) in the establishment of parks to be maintained and operated in such manner as will be complementary to provincial parks. On the recommendation of the Ontario Parks Integration Board and with the approval of the Lieutenant-Governor in Council, assistance is given by the Minister of Lands and Forests up to 50 per cent of the total cost or \$50,000 whichever is the lesser.

THE LAKE OF THE WOODS CONTROL BOARD ACT, 1922, is complementary to a Federal Act of 1921. It deals with the regulation of the water levels of the Winnipeg River, the English River, Lac Seul and Lake St. Joseph. The Board was created following a report in 1917 by the International Joint Commission which was established under a treaty made in 1909 between United States and Great Britain. The membership of the Board consists of a Federal representative and one from Manitoba and two from Ontario. One Ontario member is appointed by the H. E. P. C. The other is C. H. Fullerton, formerly Surveyor-General, with R. G. Code, presently Surveyor-General, as alternate member.

The Board has the duty to secure severally and at all times the most dependable flow and the most advantageous and beneficial use of the Winnipeg and English Rivers and, for that purpose, to regulate the outflow of:-

(a) Lake of the Woods, to levels recommended by the International Joint Commission as agreed by Canada and the United States;

(b) Lac Seul, to levels recommended by the Board and approved by the Lieutenant-Governors in Council of Ontario and Manitoba and to regulate the flow into Lac Seul through the Lake St. Joseph diversion.

(c) Winnipeg River, between its junction with the English River and Lake of the Woods, and the English River between its junction with the Winnipeg River and Lac Seul; and

(d) Other waters of the watershed of the Winnipeg River as are placed under its jurisdiction by the Governor-General in Council and the Lieutenant-Governors in Council of Ontario and Manitoba.

FEDERAL-PROVINCIAL CO-OPERATIVE AGREEMENTS

LAC SUEL WATER DIVERSION- February 28th, 1928
The Province constructed a water dam at the outlet of
Lac Suel. Total Cost: \$833,919.19.

Under the Agreement:

- (1) Three-fifths of cost contributed by Canada,
\$500,351.52.
- (2) Two-fifths of cost contributed by Ontario,
\$333,567.67.
- (3) Canada assumes the total cost of maintenance
and operation.
- (4) Canada pays to Ontario 5% on Ontario's capital
contribution. As water power is developed 79.37%
as of January 1, 1959) this payment is reduced
by such percentage.

As water power is developed, Ontario pays Canada
the percentage mentioned in item (3) of two-fifths
of the cost of maintenance and operation.

NOTE: Ontario recovers the reduction in interest and the
proportion of maintenance and operation costs chargeable
by Canada from the H.E.P.C. under existing Water Power
Agreements.

2. LAKE OF THE WOODS STORAGE- November 15th, 1922

An agreement establishing a basis for the regulation
of the Winnipeg and English Rivers was signed on November
15th, 1922, by Canada, Ontario and Manitoba. The Agree-
ment provided for the establishment of a reservoir on Lake
of the Woods, the cost of which was to be apportioned to
the three governments as follows:

- (1) Canada - 33.3333333 per cent- for navigation.
- (2) Ontario - 11.4871785 per cent- for power head.
- (3) Manitoba - 55.1794882 per cent - for power
head.

Ontario was to pay its apportioned share of the cost of storage when the power site at White Dog Falls was completed. The Ontario Hydro-Electric Power Commission completed a generating station at White Dog Falls in 1958 and has paid \$183,961.19, Ontario's share of the cost of storage.

Ontario is also responsible for 11.4871785 per cent of the operating costs at Lake of the Woods storage and Ontario will recover these costs from the Hydro-Electric Power Commission under the water power lease agreement for White Dog Falls.

3. USE OF BECKWITH ISLAND FOR GROUSE RESEARCH
October 7th, 1949

Permission by letter of Federal Department of Mines and Resources (Indian Affairs Branch) on October 7th, 1949, to use Beckwith Island for grouse research purposes by the Division of Research.

4. FOREST RESEARCH. Agreement between Canada (Minister of Forestry) and Ontario (Ministers of Lands and Forests and Public Works), dated January 31, 1963 replaced and superceded existing agreement on forest research. The Forest Insect Laboratory at Sault Ste. Marie and the Laboratory of Forest Pathology at Maple are continued. Provision is made for:

- (1) Ontario agrees to heat and be responsible for maintenance repairs of the two laboratories and to provide water at Maple;
- (2) Canada provides research personnel and equipment for the laboratories;
- (3) Canada will conduct research studies, giving preference to studies of interest to Ontario as recommended by the Advisory Committee;
- (4) Result of studies, advice and assistance will be available to Ontario;
- (5) Advisory Committee to the Minister of Forestry (Federal) and the Minister of Lands and Forests (Ontario) consists of ten members (each Minister to appoint five) with the purpose of reviewing reports and making recommendations relating to studies by the laboratories;

5. WEATHER OBSERVATION SERVICES- Pickle Lake
Agreement between Canada (Department of Transport) and Ontario (Department of Lands and Forests) dated 26th November, 1953, amended by Agreement dated 28th October, 1960.

Ontario provides weather reporting services at Pickle Lake Station in the Territorial District of Kenora (Patricia Portion) for which Canada pays to Ontario \$116 a month.

6. ROAD ACROSS CONSTANCE LAKE INDIAN RESERVE NO. 92

By an exchange of letters between the Deputy Minister of Citizenship and Immigration dated July 18th and October 6th, 1960 and the Deputy Minister of Lands and Forests dated the 29th day of September, 1960, the Department was given permission to use a road right-of-way through Constance Lake Indian Reserve No. 92 for a term of ten years from July 1st, 1960, subject to a renewal if required and provided the Department of and Forests maintains the road in summer and winter.

7. FUR MANAGEMENT AGREEMENT. By an agreement dated January 24th, 1962, between the Minister of Citizenship and Immigration and the Minister of Lands and Forests, Canada co-operates in the management of the renewable natural resources in the Bruce Peninsula and the administrative districts north and west of the south boundary of Parry Sound and Pembroke, for a ten-year period commencing April 1st, 1962. Ontario undertakes the administration of programmes under the agreement and is to spend \$200,000 annually. Canada pays annually \$50,000 for administrative expenses and 50% of other expenses provided Canada's total payment shall not exceed \$100,000.

Programmes which may be undertaken under the agreement include: (1) Commercial fishing; (2) Fishing and hunting for domestic use; (3) Sports fishing and hunting, including instruction of guides and outfitters and public hunting on Indian Reserve on a fee basis; (4) Wild rice, blueberries and other wild crops; (5) Forestry, forest protection and training; and (6) Processing and marketing of products, including fur.

Programmes and budgets are recommended by an Advisory Committee of three from Ontario and two from Canada. Canada may appoint a liaison officer. The committee may make recommendations in respect of special projects on Crown or Indian Reserves lands suitable for development as wetlands, or for forestry or multiple use, or for the establishment or processing or market facilities which may be dealt with under separate agreement. Processing projects will be undertaken only after refusal of private industry.

Principle of previous use and occupation in allocation of trapping, commercial fishing and wild crop harvesting will apply. Licences for commercial harvesting of resources will be issued only to primary producers who participate in harvesting. Indians are to obtain commercial licences. Preference to be given to Indians in hiring employees for projects.

8. AGREEMENT UNDER THE CANADA FORESTRY ACT

By an agreement dated April 5th, 1962, between Canada (Minister of Forestry) and Ontario (Minister of Lands and Forests) and expiring March 31st, 1964, Canada agrees to share the cost of approved projects, subject to certain provisions, as follows:-

(a) Forest inventory- 50 per cent

(b) Reforestation of Crown Lands, including lands of public authorities under control of the province.

(i) \$15 per unit for planting;

(ii) \$2 per unit for seeding without ground preparation;

(iii) \$4 per unit for seeding with ground preparation, (scarification or controlled burning);

A unit is the planting of 1,000 trees or the seeding of an acre,

(c) Stand Improvement Projects, excluding projects on Crown land paid for by persons or agencies other than the province, or aesthetic projects- 50 per cent.

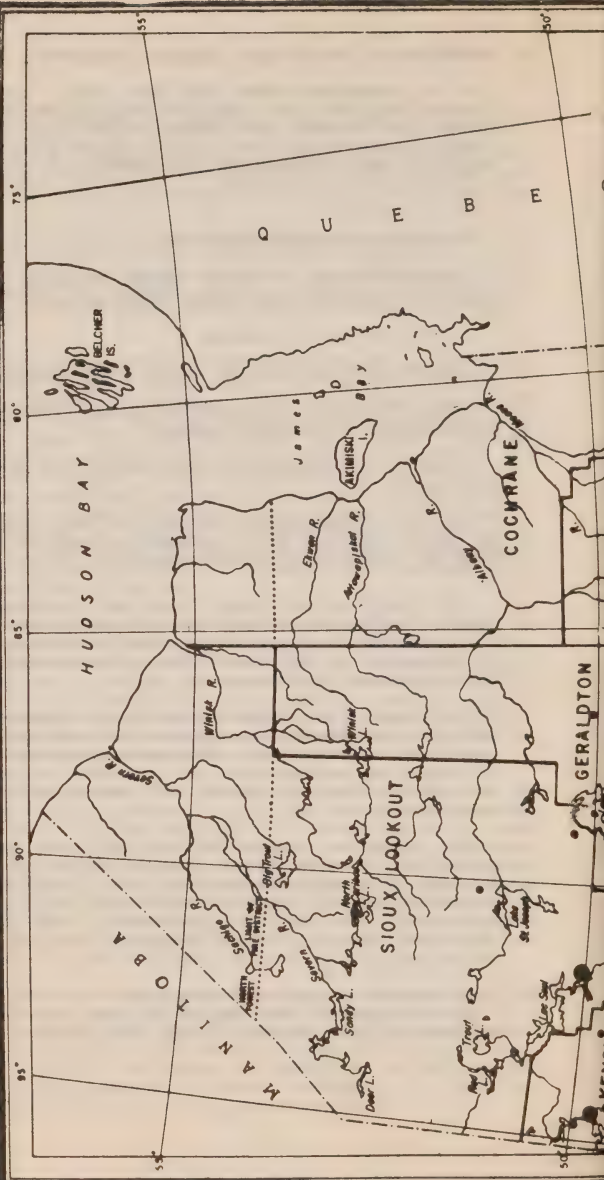
(d) Forest Access Roads, Trails and Airstrips, excluding fencing, signs, marking, maintenance, municipal roads and roads not primarily intended for the protection or management of the forest lands or transportation of forest products- 50 per cent.

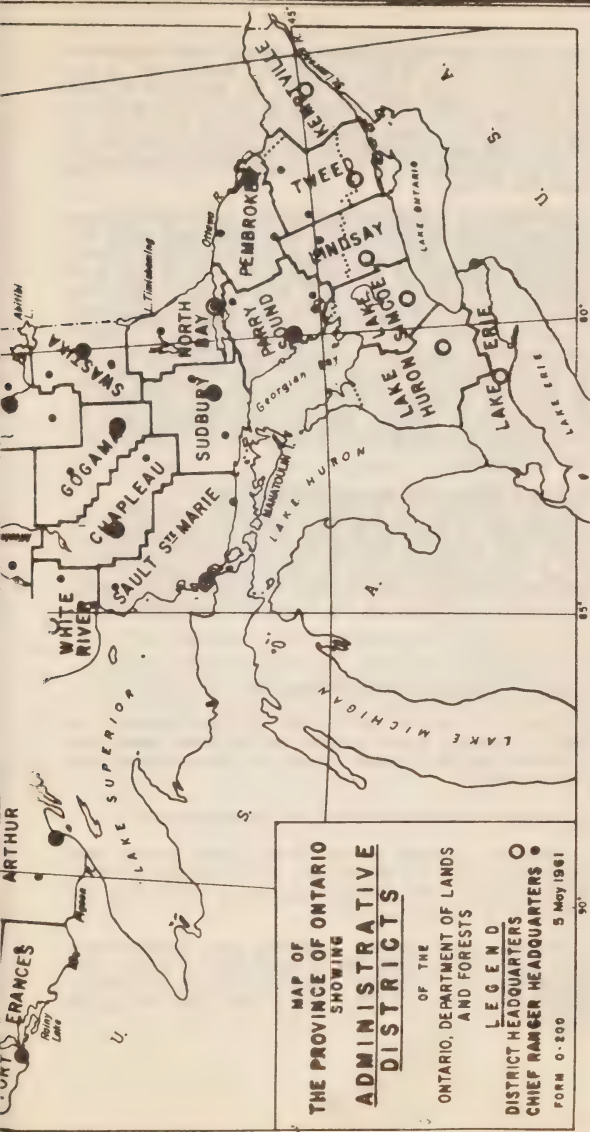
(e) Forest Fire Protection, including equipment for prevention and detection, communication or transportation equipment for protection, suppression equipment, and buildings and improvements used primarily for protection, and the charter of aircraft and vessels for protection- 50 per cent.

The maximum annual payment shall not exceed \$1,650,018, of which sum not more than 60 per cent may be claimed for projects other than access projects. Additional assistance may be paid if other provinces do not qualify to receive their full allotment of the sum of \$7,910,000 which the federal government is spending on these programmes.

9. AGREEMENT UNDER THE FORESTRY ACT (Ontario)

By an agreement dated August 16, 1961, between the Minister of Lands and Forests and the National Capital





Commission, the Commission leased the lands described in schedule "A" of the agreement, being part of the Commission's land acquired under the National Capital Act (Canada) 1958 in the vicinity of Ottawa, for a period of 50 years from April 1, 1961. Additional lands may be added to the agreement from time to time by a lease in the form appended to the agreement for a term ending March 31, 2011.

The Minister agreed to manage the lands for forestry purposes. Fences, buildings, structures and other improvements must have the prior approval of the Commission. With approval of the Commission and at the sole expense of the Minister, areas may be established for public recreation. Areas may be withdrawn on payment of expenses, less revenues, without interest. Revenues from the lands are received by the Minister and on termination or expiry of the agreement the Commission will pay the Minister his expenses less the revenues, without interest. If there is an excess, it shall be paid to the Commission without interest. The agreement is to be reviewed following April 1, 1963 and in every second year thereafter.

10. GREAT LAKES FISHERIES RESEARCH

By an exchange of letters in January, 1960, Canada (Department of Fisheries) and Ontario (Department of Lands and Forests) agreed that the recommendations of the Federal-Provincial Great Lakes Fisheries Co-ordination Committee be adopted and that responsibility for fisheries research on the Great Lakes would be assumed as follows:

Canada will assume responsibility for:

(1) Lamprey research and control in Lake Superior. In addition, lamprey investigations in the other lakes will be carried out as required to plan for future operations in those lakes.

(2) General Fisheries research on Lake Superior.

(3) Economic studies on all of the Great Lakes after consultation with the Department of Lands and Forests of Ontario as to the relative importance of various approaches to this problem.

(4) Technological studies, including gear development, after consultation with the Department of Lands and Forests of Ontario in the detail necessary to achieve suitable co-ordination with policy and with biological studies.

Ontario will assume responsibility for:

- (1) General fisheries research on Lake Huron, Lake Erie and Lake Ontario.
- (2) Collection of routine statistics of the commercial and game fish catches on each of the Great Lakes. Additional statistics may be collected if they lend themselves to routine collection. Special statistical studies for a particular lake or part of a lake will be the responsibility of the agency concerned with the general fisheries research programme for that lake.
- (3) Hydrographic surveys of a broad general nature on each of the Great Lakes. Particular limnological data of primary importance to only fisheries research will be the responsibility of the agency concerned with the general fisheries research programme in each lake.

11. TECHNICAL AND VOCATIONAL TRAINING

An agreement dated June 26, 1961, between the Government of Canada (Minister of Labour) and the Government of Ontario (Minister of Education) provides for federal contributions to provincial technical and vocational training programmes for a ten-year period expiring March 31, 1971, subject to specified qualifications and regulations.

The agreement also provides for grants in respect of capital expenditures on approved training facilities, i.e. buildings, plant, machinery and equipment, including grants; prior to April 1, 1963- 75%; after April 1, 1963- 50%. Cost of land and other similar items are excepted.

NEW POLICIES

OPERATIONS BRANCH

The re-organization of the Department in June, 1941, included the establishment of the Division of Operation and Personnel as a service unit to relieve the other Divisions of numerous burdens and leave them free to concentrate on their primary responsibilities.

Mr. P. O. Rhynas was transferred from the Department of Labour to be Chief of the new Division and organize an efficient centralization of services. These included the enlistment, pay and promotion of personnel; the purchase and distribution of supplies and equipment; a basic records system; a messenger service; and a greatly increased tempo in the Department's information and educational service to the public. The large volume of work required to support so large a Department soon placed the new Division at a level of operations comparable to that of big business.

The appointment of two Assistant Deputy Ministers, J. S. Yoerger and G. H. U. Bayly, on December 1st, 1957, coincided with the separation of the service unit into the Division of Operations and a separate Personnel Section. Re-named Branch in 1959, Operations has four Sections:-

OFFICE MANAGEMENT, responsible for purchase of supplies and equipment, renting, maintenance of records, Department uniforms and many special assignments;

CENTRAL SUPPLY WAREHOUSE (established on April 1st, 1958), responsible for receiving, storage and supply of supplies, equipment, uniforms and printed material.

CONSERVATION INFORMATION, responsible for Department publications, press releases and various public appeals, the supply of information to the public, and the storage and supply of photographs and colour slides;

CONSERVATION EDUCATION, responsible for radio and television broadcasts, lectures, Department displays at exhibitions, and the making and supply of motion films.

OPERATIONS BRANCH

Chief: P. O. RHYNAS

Assistant Chief: C. V. RICH

OFFICE MANAGEMENT SECTION

Supervisor: M. A. GONTIER

Purchasing, Material Control, Customs,
Invoicing, Leased Premises,
Office Management, Records,
Circular Production, Equipment Inventory,
Uniforms

CENTRAL SUPPLY WAREHOUSE

Supervisor: M. TOMS

Housing, Recording, Shipping of Stock,
Delivery to Toronto Area Offices

CONSERVATION INFORMATION SECTION

Supervisor: R. V. WHELAN

Gathering, Screening and Producing
Information on Conservation of Natural
Resources, Compiling and Releasing
Minister's Brief, News Releases and
Public Appeals, etc.

CONSERVATION EDUCATION SECTION

Acting Supervisor: C. V. RICH

Planning and Presenting to the Public a
Complete Educational Programme of Our
Natural Resources Through Lectures,
16 mm. Motion Pictures, Television and
Exhibit Displays

LECTURE TOURS — Number of Meetings and Attendance

| Years ending March 31st | SCHOOL | | PUBLIC | | DEPARTMENT TOTAL | | Ontario Forestry Association |
|----------------------------|--------|---------|--------|---------|---------------------|---------|------------------------------------|
| 1946 | 423 | 53,913 | 246 | 24,558 | 669 | 78,471 | ..... |
| 1947 | 405 | 50,990 | 377 | 22,481 | 782 | 83,471 | ..... |
| 1948 | 780 | 101,360 | 752 | 58,615 | 1,532 | 159,975 | ..... |
| 1949 | 876 | 89,020 | 655 | 71,969 | 1,531 | 160,989 | ..... |
| 1950 | 827 | 93,895 | 629 | 136,293 | 1,456 | 230,188 | 1,511 |
| | | | | | | | 83,566 |
| 1951 | 675 | 80,411 | 913 | 75,850 | 1,588 | 156,261 | ..... |
| 1952 | 702 | 50,900 | 1,246 | 84,283 | 1,948 | 135,183 | 1,241 |
| 1953 | 721 | 53,679 | 1,223 | 86,895 | 1,944 | 140,574 | 1,141 |
| 1954 | 1,196 | 89,835 | 1,546 | 95,701 | 2,742 | 185,536 | 611 |
| 1955 | 1,143 | 92,381 | 1,526 | 116,263 | 2,669 | 208,642 | 792 |
| | | | | | | | |
| 1956 | 1,076 | 90,540 | 1,402 | 107,746 | 2,478 | 198,286 | ..... |
| 1957 | 1,261 | 93,672 | 1,710 | 127,174 | 2,971 | 220,846 | 703 |
| 1958 | 972 | 67,013 | 1,708 | 97,334 | 2,680 | 164,347 | 674 |
| 1959 | 831 | 68,146 | 2,196 | 124,703 | 3,027 | 192,849 | 538 |
| 1960 | 1,094 | 92,794 | 2,715 | 158,682 | 3,809 | 251,476 | 409 |
| | | | | | | | 484 |
| 1961 | 1,026 | 80,015 | 3,198 | 187,686 | 4,224 | 267,701 | ..... |
| 1962 | 808 | 63,957 | 2,533 | 164,119 | 3,341 | 228,076 | 401 |
| 1963 | 771 | 60,788 | 2,640 | 211,877 | 3,411 | 272,665 | 406 |
| | | | | | | | 374 |
| | | | | | | | 48,756 |
| | | | | | | | 58,442 |
| | | | | | | | 46,860 |

INFORMATION AND EDUCATION SERVICES

WAREHOUSE SHIPMENTS

| Years Ending 31st March | No. Titles Motion Films | 35 mm. Colour Slides | Photo Prints Loaned | ADVERTISEMENTS | | | Tons of Supp- lies | PRINTED MATERIAL | | |
|----------------------------------|----------------------------------|----------------------------|---------------------------|------------------------------------|---------------------|-------------------|-----------------------------|------------------|------------------|-------------------|
| | | | | *Letters of Enquiry Answered | Adminis- tration | Conser- vation | | Licences | Parks Permits | Publi- cations |
| | | | | Exhibi- tions | | | | | | |
| 1946 | 24 | ..... | ..... | .. | 77 | 26 | .. | ..... | ..... | ..... |
| 1947 | 25 | ..... | ..... | 8 | 508 | 65 | .. | ..... | ..... | ..... |
| 1948 | 26 | ..... | ..... | 13 | .. | .. | .. | ..... | ..... | ..... |
| 1949 | 28 | ..... | ..... | 15 | 130 | 57 | 150 | 701,450 | ..... | ..... |
| 1950 | 28 | ..... | 1,800 | 38 | 60 | 44 | 160 | 774,470 | ..... | ..... |
| 1951 | 38 | ..... | 1,800 | 64 | 127 | 43 | 170 | 803,900 | ..... | ..... |
| 1952 | 56 | ..... | 1,800 | 64 | 57 | 39 | 175 | 868,300 | ..... | ..... |
| 1953 | 73 | 750 | 2,100 | 68 | 74 | 27 | 176 | 910,480 | ..... | ..... |
| 1954 | 89 | 750 | 1,800 | 75 | 57 | 36 | 200 | 1,005,000 | ..... | ..... |
| 1955 | 119 | 750 | 3,500 | 75 | 103 | 45 | 470 | 1,055,299 | ..... | ..... |
| 1956 | 159 | 1,000 | 4,500 | 75 | 99 | 55 | .. | 1,120,654 | ..... | ..... |
| 1957 | 178 | 1,500 | 6,000 | 75 | 112 | 53 | 488 | 1,154,000 | ..... | ..... |
| 1958 | 208 | 1,500 | 9,000 | 75 | 93 | 52 | 350 | 1,212,920 | 271,600 | ..... |
| 1959 | 226 | 1,800 | 9,200 | 75 | 139 | 54 | 218 | 1,279,067 | 300,000 | 1,941,819 |
| 1960 | 226 | 1,900 | 9,000 | 75 | 140 | 55 | 377 | 1,260,917 | 300,000 | 2,124,688 |
| 1961 | 234 | 2,000 | 9,000 | 75 | 50 | 49 | 308 | 1,363,712 | 689,000 | 1,155,151 |
| 1962 | 250 | 3,000 | 9,000 | 75 | 52 | 44 | 253 | 1,392,043 | 825,900 | 1,196,414 |
| 1963 | 264 | 3,700 | 9,000 | 75 | 150 | 50 | 228 | 1,432,902 | 1,000,850 | 1,442,523 |

*Information supplied by mail. Technical papers not included.

LANDS AND FORESTS PUBLICATIONS as of December 31, 1963

Code (Not including technical publications listed in 0-18)

CA CONSERVATION AUTHORITIES BRANCH

(Descriptions of Authorities)

(Conservation Reports)

FW FISH AND WILDLIFE BRANCH

1. Sport Fishes of Ontario (Colour chart).....\$1.00
4. Summary of Ontario Regulations on Trapping and fur Dealing
7. Fishing in Lake Simcoe.....\$1.00
8. The Game and Fish Act and The Ontario Fishery Regulations
9. Summary of Ontario Fishery Regulations
10. Extracts from Ontario Fishery Regulations (poster)
12. Summary of Ontario Hunting Regulations
13. Ten Commandments of Gun Safety
14. Why Hunter Safety Training?
16. Fishes of Ontario.....\$2.50

FP FOREST PROTECTION BRANCH

1. Dutch Elm Disease in Ontario
2. Operation: Survival in the Woods (juvenile)
4. The Forest Fires Prevention Act

S LANDS AND SURVEYS BRANCH

1. List of Water Powers.....\$0.75
2. List of Geographic Townships.....\$0.50
5. Price List of Lithographed Maps and Plans
6. Summer Resort Lands in Ontario

L LAW BRANCH

1. Complete Set of the 21 Acts administered by Lands and Forests (without binders).....\$5.00

O OPERATIONS BRANCH

1. Meet the Wildlife of Ontario's Outdoors.....\$0.35
2. Camping in the Muskoka Region.....\$2.00
3. How to Survive in the Woods
4. Early Days in Haliburton.....\$2.50
5. List of Publications for Distribution
6. The Birch Bark Canoe
7. Administrative Branches Chart
8. Annual Report of the Minister of Lands and Forests
Part I: Detailed
Part II: Highlights
9. A Statistical Reference of Lands and Forests Administration
10. A Teacher's Guide to Forest Conservation
11. Common Trees (White Pine, Jack Pine, Spruce, Sugar Maple, Yellow Birch)

12. Common Birds

- | | |
|--|------------------------------|
| A. Bluebird | F. Song Sparrow |
| B. Black-capped chickadee and White-throated Nuthatch | G. White-throated Sparrow |
| C. Flicker | H. Scarlet Tanager |
| D. Evening Grosbeak | |
| E. Rose-breasted Grosbeak | |

13. Common Mammals

- | | |
|---------------|--------------------------|
| A. Beaver | F. Otter |
| B. Black Bear | G. Cottontail Rabbit |
| C. Coyote | H. Squirrels |
| D. Red Fox | I. Timber Wolf |
| E. Muskrat | J. Woodchuck (Groundhog) |

14. The Pointer Boat

15. List of Natural Science Booklets and Their Source

16. Tower Jack

17. Our Forest Lands (juvenile)

18. List of Technical Publications for Distribution

19. Ontario Resources Atlas.....\$1.00

20. Lumber in Ontario

21. Pulp and Paper in Ontario

PK PARKS BRANCH

1. Algonquin Story.....\$2.50
2. Algonquin Provincial Park
3. Canoe Routes -- Algonquin
4. Canoe Routes -- Quetico
8. Reptiles of Algonquin Park
11. Provincial Parks of Ontario
12. Provincial Parks in Ontario (Cdn, Geo. Jour. reprint)
15. So You Want to Go Camping?
18. Quetico Provincial Park
19. H.M.S. Nancy (and the War of 1812)

P PERSONNEL BRANCH

1. Ontario Forest Ranger School (Prospectus)
2. Ontario Forest Ranger School (Information Brochure)

RS RESEARCH BRANCH

25. The Glackmeyer Report of Multiple Land-Use Planning
.....\$4.00

TM TIMBER BRANCH

3. The Forest Resources of Ontario
5. The Farm Woodlot
7. Planning for Tree Planting
8. Care and Planting of Forest Trees
9. Forest Tree Planting
10. Manual of Seed Collecting
11. The Forest Trees of Ontario.....\$0.50
12. Hardwood Trees of Ontario (with bark characteristics)
.....\$0.50
13. Fifty Years of Reforestation in Ontario\$0.50

CORRECTIONS

[illegible]

NEW POLICIES

PARKS BRANCH

The Division of Parks was established on October 1st, 1954, with the late W. B. Greenwood as Chief, following the realization of an imminent need for public outdoor recreational space. The organization was named Parks Branch in 1959.

A. B. Wheatley was appointed Chief on April 1st, 1961.

Algonquin, the first provincial park, was established in 1893 by the Algonquin National Park Act, 56 Victoria, Chapter 8. Rondeau was established by the Rondeau Provincial Park Act, 57 Victoria, Chapter 15. Presqu'ile was established by the Presqu'ile Park Act, 12 George V, Chapter 39. Long Point was established by the Long Point Park Act, 2 George V, Chapter 35.

Quetico, Ipperwash, Sibley and Lake Superior were established by Order-in-Council.

Orders-in-Council, 2053-57 and 4365-57 authorized the transfer of 30 parks from Department of Highways to Department of Lands and Forests in 1957. Ten were returned in the year ending March 31st, 1960.

Within the responsibility of providing provincial parklands is the provision of certain facilities which are necessary for public use and enjoyment. With few exceptions, the emphasis is placed upon the natural environment as much as possible. Planning and development are related to the natural surroundings.

In certain provincial parks, programmes of interpretation and exhibit centres indicate and explain significant park features.

PARKS BRANCH

Chief: A. B. WHEATLEY

DEVELOPMENT SECTION

Supervisor: T. W. Hueston

PLANNING SECTION

Supervisor: A.R.K. MacDonald

INTERPRETIVE SECTION

Supervisor: A. F. Helmsley

OFFICE MANAGEMENT SECTION

Office Manager: T. M. Van Dusen

SPECIAL PROJECTS

C. R. Tilt

Secretary

Ontario Parks Integration Board

PUBLIC USE OF PROVINCIAL PARKS

| Year | No. of Parks | No. of Vehicles | ‡ No. of Campers | No. of Visitors |
|-----------|-----------------|--------------------|---------------------|--------------------|
| 1956..... | 21 | ..... | 86,641 | ..... |
| 1957..... | 39 | 629,666 | 162,705 | 2,114,661 |
| 1958..... | 45 | 927,871 | 276,128 | 3,232,460 |
| 1959..... | 55 | 1,420,180 | 479,069 | 5,127,199 |
| 1960..... | 63 | 1,552,662 | 592,103 | 5,692,978 |
| 1961..... | 77 | 1,725,876 | 862,559 | 6,215,370 |
| 1962..... | 82 | 2,182,116 | 1,058,203 | 7,822,549 |
| 1963..... | 86 | ..... | 1,198,573 | 8,526,443 |

ATTENDANCE AT INTERPRETIVE PROGRAMMES

| Year | No. of Parks | Museums | Nature Trails | Conducted Hikes | Lectures | Child Camps |
|---------|-----------------|----------|------------------|--------------------|----------|----------------|
| 1950... | 1 | ..... | 6,173 | 363 | 1,230 | ..... |
| 1951... | 1 | ..... | 5,390 | 413 | 1,473 | 870 |
| 1952... | 2 | 200 | 14,341 | 752 | 2,059 | 958 |
| 1953... | 2 | 53,843 | 12,761 | 952 | 5,171 | 1,140 |
| 1954... | 3 | 72,839 | 18,920 | 1,353 | 7,521 | 2,193 |
| 1955... | 3 | 75,711 | 25,388 | 1,927 | 6,996 | 1,448 |
| 1956... | 5 | 91,246 | 23,125 | 2,015 | 8,912 | 1,815 |
| 1957... | 6 | 119,200 | 26,855 | 2,824 | 10,760 | 1,949 |
| 1958... | 6 | 146,681 | 40,617 | 3,973 | 14,799 | 2,790 |
| 1959... | 8 | 217,672 | 38,771 | 5,782 | 21,820 | 2,168 |
| 1960... | 9 | 298,129* | 46,679 | 6,958 | 23,828 | 468 |
| 1961... | 8 | 311,291* | 46,955 | 7,104 | 28,726 | 900 |
| 1962... | 12 | 374,475* | 55,553* | 9,748 | 46,301 | 1,340 |
| 1963.. | 11 | 371,275* | 61,647* | 10,949 | 49,948 | 1,195 |

1963

| | | | | | |
|---------------|----------|--------|-------|--------|-------|
| Algonquin... | 238,732* | 44,452 | 4,707 | 20,077 | 1,195 |
| Nancy Island | 21,169 | ..... | ..... | ..... | ..... |
| Presqu'île... | 19,869 | 3,167 | 1,392 | 7,340 | ..... |
| Quetico..... | 8,234 | 678 | 268 | 1,896 | ..... |
| Rondeau..... | 30,529 | ..... | 1,415 | 2,700 | ..... |
| Sibbald Point | 22,244 | ..... | ..... | ..... | ..... |
| Sibley..... | 30,498* | 1,000* | 778 | 4,590 | ..... |
| Inverhuron .. | ..... | 8,500* | ..... | ..... | ..... |
| Lake Superior | ..... | ..... | 343 | 2,860 | ..... |
| Kap-Kig-Iwan | ..... | 2,250* | ..... | ..... | ..... |
| Pinery..... | ..... | 1,600* | 2,046 | 10,485 | ..... |

* Estimated; all other figures are actual count.

‡ Does not include wilderness campers.

86 PROVINCIAL PARKS IN OPERATION IN 1963

| DISTRICT PARK | AREA (ACRES) | DATE ESTABLISHED | AUTHORITY UNDER WHICH ESTABLISHED | CAMP UNITS | CAMPERS 1963 | VISITORS 1963 |
|-----------------------|-----------------|---------------------|--------------------------------------|---------------|-----------------|------------------|
| CHAPLEAU | | | | | | |
| Five Mile Lake..... | 1,010 | Sep 29, 1958 | O. Reg. 251/58 | 87 | 3,337 | 11,704 |
| COCHRANE | | | | | | |
| Greenwater..... | 10,560 | May 21, 1963 | O. Reg. 117/63 | 20 | 2,232 | 15,844 |
| Kettle Lakes..... | 2,304 | May 21, 1963 | O. Reg. 117/63 | 95 | 5,912 | 65,311 |
| FORT FRANCES | | | | | | |
| Caliper Lake..... | 246 | Jul 22, 1960 | O. Reg. 204/60 | 86 | 9,740 | 41,358 |
| Lake of the Woods.... | 2,127 | ..... | ..... | 87 | 1,680 | 15,759 |
| Quetico | 1,148,800 | Apr 1, 1909 | Order-in-Council | 115 | 7,114 | 84,357 |
| GERALDTON | | | | | | |
| Blacksand..... | 3,353 | Jul 22, 1960 | O. Reg. 204/60 | 140 | 10,349 | 24,659 |
| Klotz Lake | 210 | Jul 22, 1960 | O. Reg. 204/60 | 33 | 2,686 | 11,310 |
| MacLeod Lake | 200 | May 21, 1963 | O. Reg. 117/63 | 53 | 5,624 | 73,862 |
| Rainbow Falls | 277 | May 21, 1963 | O. Reg. 117/63 | 150 | 28,724 | 85,515 |
| Ney's..... | 900 | ..... | ..... | 65 | 9,000 | 30,080 |
| GOGAMA | | | | | | |
| Ivanhoe | 1,280 | Jun 25, 1957 | O. Reg. 144/57 | 90 | 5,350 | 16,102 |
| KAPUSKASING | | | | | | |
| Nagamis | 11,878 | May 21, 1963 | O. Reg. 117/63 | 80 | 4,271 | 20,959 |
| Remi Lake..... | 980 | Jun 25, 1957 | O. Reg. 144/57 | 26 | 4,541 | 25,587 |
| KEMPTVILLE | | | | | | |
| Fitzroy..... | 434 | May 21, 1963 | O. Reg. 117/63 | 250 | 9,024 | 94,596 |
| Rideau River..... | 130 | May 21, 1963 | O. Reg. 117/63 | 194 | 19,126 | 206,921 |
| Silver Lake..... | 78 | May 21, 1963 | O. Reg. 117/63 | 196 | 19,586 | 106,393 |
| South Nation..... | 13 | Jul 22, 1960 | O. Reg. 204/60 | 28 | 6,825 | 44,503 |

| DISTRICT PARK | AREA (ACRES) | DATE ESTABLISHED | AUTHORITY UNDER WHICH ESTABLISHED | CAMP CAMPERS VISITORS | |
|---------------------|-----------------|---------------------|--------------------------------------|-----------------------|---------|
| | | | | UNITS | 1963 |
| KENORA | | | | | |
| Aaron..... | 124 | Sep 29, 1958 | O. Reg. 251/58 | 59 | 10,772 |
| Rushing River..... | 395 | Sep 29, 1958 | O. Reg. 251/58 | 100 | 15,320 |
| Sioux Narrows..... | 284 | Jun 25, 1957 | O. Reg. 144/57 | 60 | 5,485 |
| Blue Lake..... | 176 | Jul 22, 1960 | O. Reg. 204/60 | 100 | 10,052 |
| LAKE ERIE | | | | | |
| Clay Creek..... | 24 | May 21, 1963 | O. Reg. 117/63 | 47 | 2,076 |
| Holiday Beach..... | 205 | Oct 6, 1958 | O. Reg. 254/58 | 56 | 3,572 |
| Ipperwash..... | 109 | Jun 24, 1938 | Order-in-Council | 268 | 25,843 |
| Long Point..... | 848 | May 3, 1921 | (Act- See above) | 325 | 26,065 |
| Pinery..... | 4,333 | Oct 11, 1957 | O. Reg. 229/57 | 1,075 | 72,832 |
| St. Williams..... | 5 | ..... | ..... | ..... | ..... |
| Rock Point..... | 42 | Jun 25, 1957 | O. Reg. 144/57 | 42 | 4,025 |
| Rondeau..... | 5,504 | May 5, 1894 | (Act- See above) | 509 | 40,709 |
| Turkey Point..... | 778 | Apr 21, 1959 | O. Reg. 70/59 | 476 | 12,302 |
| John E. Pearce..... | 62 | May 21, 1963 | O. Reg. 117/63 | ... | ..... |
| Port Bruce..... | 28 | ..... | ..... | ... | ..... |
| LAKE HURON | | | | | |
| Craigleith..... | 27 | ..... | ..... | 171 | 16,661 |
| Inverhuron..... | 545 | ..... | ..... | 324 | 25,240 |
| Sauble Falls..... | 44 | ..... | ..... | 146 | 17,152 |
| LAKE SIMCOE | | | | | |
| Bass Lake..... | 85 | Jun 25, 1957 | O. Reg. 144/57 | 154 | 22,624 |
| Devils Glen..... | 14 | ..... | ..... | 20 | 3,082 |
| Earl Rowe..... | 732 | ..... | ..... | 70 | 7,442 |
| Sibbald Point..... | 495 | May 21, 1963 | O. Reg. 117/63 | 650 | 48,544 |
| Six Mile Lake..... | 177 | Feb 24, 1958 | O. Reg. 42/58 | 140 | 16,625 |
| Springwater..... | 117 | Sep 29, 1958 | O. Reg. 251/58 | ... | ..... |
| Wasaga Beach..... | 140 | May 21, 1963 | O. Reg. 117/63 | ... | ..... |
| | | | | 171 | 57,600 |
| | | | | 324 | 105,111 |
| | | | | 146 | 174,487 |
| | | | | 154 | 103,942 |
| | | | | 20 | 81,215 |
| | | | | 70 | 82,579 |
| | | | | 650 | 316,662 |
| | | | | 140 | 109,157 |
| | | | | ... | 110,188 |
| | | | | ... | 789,746 |

| DISTRICT PARK | AREA (ACRES) | DATE ESTABLISHED | AUTHORITY UNDER WHICH ESTABLISHED | CAMP CAMPER VISITORS UNITS 1963 1963 |
|-----------------------|-----------------|---------------------|--------------------------------------|---|
| LINDSAY | | | | |
| Darlington | 295 | Oct 30, 1959 | O. Reg. 253/59 | 300 15,952 108,748 |
| Emily | 67 | Jun 25, 1957 | O. Reg. 144/57 | 88 19,799 148,443 |
| Mark S. Burnham | 101 | Jul 26, 1955 | O. Reg. 148/55 | 39,979 286,695 |
| Presqu'ile | 2,170 | May 18, 1922 | (Act- see above) | 500 16,392 103,920 |
| Serpent Mounds | 70 | Jun 25, 1957 | O. Reg. 144/57 | 95 |
| Balsam Lake | 1,040 | ..... | ..... | 100 |
| NORTH BAY | | | | |
| Antoine | 23 | ..... | ..... | 30 2,084 16,989 |
| Finlayson Point | 75 | May 21, 1963 | O. Reg. 117/63 | 114 9,605 47,474 |
| Marten River | 766 | May 21, 1963 | O. Reg. 117/63 | 240 19,988 109,823 |
| Samuel de Champlain | 1,444 | ..... | ..... | 224 10,569 49,675 |
| PARRY SOUND | | | | |
| Grundy Lake | 6,310 | Apr 21, 1959 | O. Reg. 70/59 | 420 33,980 144,074 |
| Oastler Lake | 24 | ..... | ..... | 140 16,985 139,931 |
| Killbear Point | 2,334 | ..... | ..... | 607 36,044 215,561 |
| Mikisew | 99 | ..... | ..... | 123 12,288 65,105 |
| Sturgeon Bay | 20 | Jul 22, 1960 | O. Reg. 204/60 | 91 8,194 30,195 |
| Restoule | 1,417 | May 21, 1963 | O. Reg. 117/63 | 252 5,526 15,035 |
| PEMBROKE | | | | |
| Algonquin | 1,862,144 | May 27, 1893 | (Act- see above) | 1,298 119,464 470,661 |
| Carson Lake | 15 | ..... | ..... | 44 5,571 5,146 |
| Driftwood | 655 | May 21, 1963 | O. Reg. 117/63 | 82 9,643 12,671 |
| PORT ARTHUR | | | | |
| Inwood | 82 | Sep 29, 1958 | O. Reg. 251/58 | 42 13,361 21,634 |
| Sibley | 45,120 | May 21, 1963 | O. Reg. 117/63 | 202 16,660 47,650 |
| Kakabeka Falls | 891 | ..... | ..... | 69 26,352 371,373 |
| Middle Falls | 11 | Jul 22, 1960 | O. Reg. 204/60 | 20 8,504 52,751 |

| DISTRICT PARK | AREA (ACRES) | DATE ESTABLISHED | AUTHORITY UNDER WHICH ESTABLISHED | CAMP UNITS | CAMPERS 1963 | VISITORS 1963 |
|----------------------------|------------------|---------------------|--------------------------------------|---------------|------------------|------------------|
| SAULT STE. MARIE | | | | | | |
| Pancake Bay..... | 710 | ..... | ..... | 288 | 32,088 | 70,035 |
| Batchawana..... | 400 | ..... | ..... | .. | ..... | ..... |
| Lake Superior..... | 333,632 | Jan 13, 1944 | Order-in-Council | 316 | 37,031 | 103,359 |
| Mississagi | 90,000 | ..... | ..... | ... | ..... | ..... |
| SIOUX LOOKOUT | | | | | | |
| Pakwash | 71 | ..... | ..... | 51 | 1,854 | 6,917 |
| Ojibway | 6,130 | May 21, 1963 | O. Reg. 117/63 | 60 | 1,816 | 6,038 |
| SUDBURY | | | | | | |
| Fairbank..... | 85 | Jun 25, 1957 | O. Reg. 144/57 | 126 | 14,516 | 54,546 |
| Windy Lake..... | 293 | Apr 4, 1959 | O. Reg. 88/59 | 58 | 5,576 | 122,612 |
| Chutes..... | 235 | ..... | ..... | 17 | 8,471 | 16,281 |
| Killamey..... | app. 90,000 | ..... | ..... | 27 | 600 | 3,415 |
| SWASTIKA | | | | | | |
| Esker Lakes..... | 7,680 | Jun 25, 1957 | O. Reg. 144/57 | 136 | 4,727 | 26,211 |
| Kap-Kig-Iwan | 759 | May 21, 1963 | O. Reg. 117/63 | 64 | 3,654 | 25,388 |
| TWEED | | | | | | |
| Black Lake..... | 77 | May 21, 1963 | O. Reg. 117/63 | 200 | 11,328 | 57,238 |
| Lake on the Mountain . | 256 | Jun 25, 1957 | O. Reg. 144/57 | .. | ..... | ..... |
| Lake St. Peter | 62 | ..... | ..... | 60 | 5,784 | 38,014 |
| Outlet Beach | 263 | May 21, 1963 | O. Reg. 117/63 | 265 | 28,384 | 299,665 |
| Sandbanks | 1,200 | ..... | ..... | ... | ..... | 14,394 |
| Bon Echo..... | 1,460 | ..... | ..... | 400 | 25,049 | 98,547 |
| WHITE RIVER | | | | | | |
| White Lake | 3,980 | May 21, 1963 | O. Reg. 117/63 | 215 | 29,211 | 70,511 |
| Obatanga | 33,920 | ..... | ..... | .. | ..... | ..... |
| TOTALS FOR 86 PARKS | 3,696,459 | | | 13,951 | 1,198,573 | 8,526,443 |

27 PROVINCIAL PARK RESERVE AREAS, 1963

| DISTRICT Reserve Area | AREA Acres | LOCATION |
|--|---------------|---|
| CHAPLEAU Sand Shoals..... | 15,360 | Peters, Cosens, Topham, Triquet Twps. |
| COCHRANE Pierre, Montreuil Harris Lakes..... | 46,000 | McQuibban, Swartman Twps. |
| GERALDTON Esnagami..... | 38,000 | Esnagami, Alpha, Rupert Twps. |
| Steel River..... | 2,700 | Part Twp. 81 |
| Partridge Lake ... | 6,500 | Legault, Colter Twps. |
| Lukinto Lake..... | 2,250 | Part O'Meara Twp. |
| Fernow Lake..... | 20,000 | Part Fernow Twp. |
| Steel Lake..... | 51,000 | (Unsubdivided) |
| Purgatory Chutes . | 100 | Pagwachuan River |
| Roslyn Lake | 31,000 | (Unsubdivided) |
| Kama Bay..... | 1,750 | Twps. 88, 89, 91. |
| KAPUSKASING Nagagami Lake... | 4,085 | Nagagami Twp. |
| Rogers Twp..... | 1,510 | Rogers Twp. |
| KEMPTVILLE Murphy's Point ... | 800 | North Burgess Twp. |
| KENORA Pipestone..... | 3,425 | Manross Twp. |
| LAKE SIMCOE Symington property | 85 | Mara Twp. |
| Kettle property ... | 1,500 | Tiny Twp. |
| Little Lake | 100 | Vespra Twp. |
| LINDSAY Red Pine Lake ... | 3,700 | Part Sherborne Twp. |
| Silent Lake | 6,455 | Part Cardiff Twp. |
| Bottle, Sucker Lakes..... | 3,800 | Anstruther, Cavendish Twps. |
| NORTH BAY Mashkinonje (1)... | 2,543 | Haddo Twp. |
| W.B. Greenwood .. | 15,500 | Gillies Limit, Brigstocke, Banting, Best Twps. |
| PORT ARTHUR Silver Falls..... | 8,800 | Forbes, Fowler Twps. |
| Arrow Lake (2) ... | 100 | (Unsubdivided) |
| SWASTIKA McCann Twp | 640 | McCann Twp. |
| WHITE RIVER Kawapitapika Lake | 2,800 | Part Leslie Knowles Twp. |
| TOTAL | 270,503 | |

- (1) Established May 21, 1963, under O. Reg. 117/63
 (2) Established June 25, 1957, under O. Reg. 144/57

CORRECTIONS

[illegible]

NEW POLICIES

[illegible]

PERSONNEL BRANCH

The personnel work of the Department was centralized under the Division of Operation and Personnel which was established in the re-organization of the Department in June, 1941. On December 1st, 1957, Personnel became a separate Section with Mr. S.H.C. Parsons as Supervisor. Named Branch on December 1st, 1959, Personnel is responsible for:--

Recruitment
Transfers and Promotions
Courses and Educational Leave
Grievances, Discipline

Classification
Class Specifications
Job Descriptions
Salary Surveys

Personnel Records
Nominations, Separations, Renewals
Permanent and Temporary Appointments
Annual Increments, Attendance

Junion Ranger Programme
Safety and First Aid
Workmen's Compensation

Transfers and Promotions
Establishments
Control of Casuals
Job Advertising
Staff Appraisals

Special Assignments
Staff Replacement Needs
Comparative Salary Surveys
Job Descriptions
Recruitment of Professional Staff.

NUMBER OF EMPLOYEES
in years ending March 31st

**WORKMANS
COMPENSATION**

| Year | Perm- anent | Temp orary | Mon- thly | Total | Casual* | Claims | Cost |
|------|----------------|---------------|--------------|-------|---------|--------|-----------|
| 1943 | 304 | 218 | ... | 522 | 339 | ... | ..... |
| 1944 | 310 | 268 | ... | 578 | 397 | 98 | \$ 12,850 |
| 1945 | 324 | 305 | ... | 629 | 929 | 120 | 14,540 |
| 1946 | 373 | 318 | ... | 691 | 573 | 129 | 14,249 |
| 1947 | 523 | 562 | ... | 1,085 | 527 | 182 | 21,560 |
| 1949 | 1,167 | 196 | ... | 1,363 | 562 | 494 | 35,989 |
| 1950 | 1,352 | 157 | ... | 1,509 | 580 | 501 | 50,989 |
| 1951 | 1,420 | 141 | ... | 1,561 | 617 | 394 | 43,951 |
| 1952 | 1,441 | 181 | ... | 1,622 | 790 | 368 | 54,158 |
| 1953 | 1,518 | 158 | ... | 1,676 | 680 | 417 | 51,169 |
| 1954 | 1,546 | 175 | ... | 1,721 | 633 | 494 | 64,693 |
| 1955 | 1,618 | 142 | ... | 1,760 | 727 | 455 | 63,357 |
| 1956 | 1,611 | 180 | ... | 1,791 | 655 | 910 | 106,962 |
| 1957 | 1,583 | 175 | ... | 1,758 | 929 | 588 | 85,159 |
| 1958 | 1,685 | 134 | ... | 1,819 | 3,209 | 727 | 101,376 |
| 1959 | 1,759 | 113 | ... | 1,872 | 2,750 | 874 | 132,572 |
| 1960 | 1,946 | 90 | ... | 2,036 | 1,224 | 687 | 150,709 |
| 1961 | 2,096 | 121 | 320 | 2,537 | 1,734 | 649 | 130,210 |
| 1962 | 2,348 | 189 | 44 | 2,581 | 1,059 | 771 | 120,384 |
| 1963 | 2,368 | 181 | 40 | 2,589 | 701 | 640 | 171,802 |

*Does not include extra fire fighters.

| ON STAFF | | NUMBER OF PROFESSIONAL EMPLOYEES with University degrees in years ending March 31st | | | | | |
|---------------------|---------------------------|--|----------------|-----------------|----------------|--------|-------|
| Licensed Scalers | Ranger School Grads | Year | Forest- ers | Biolo- gists | Civil Engrs | Others | Total |
| ... | ... | 1943 | 56 | .. | .. | 19 | 75 |
| ... | ... | 1944 | 45 | .. | .. | 13 | 58 |
| ... | ... | 1945 | 54 | .. | .. | 29 | 83 |
| ... | ... | 1946 | 55 | .. | .. | 14 | 69 |
| ... | ... | 1947 | ... | .. | .. | .. | ... |
| ... | ... | 1949 | 85 | 18 | 2 | 10 | 115 |
| ... | ... | 1950 | 123 | 20 | 4 | 10 | 157 |
| 343 | 237 | 1951 | 147 | 25 | 3 | 12 | 187 |
| 356 | 257 | 1952 | 158 | 26 | 5 | 16 | 205 |
| 381 | 293 | 1953 | 166 | 33 | 5 | 16 | 220 |
| 391 | 331 | 1954 | 172 | 36 | 6 | 23 | 237 |
| 392 | 379 | 1955 | 174 | 39 | 5 | 26 | 244 |
| 404 | 425 | 1956 | 139 | 34 | 6 | 27 | 206 |
| 429 | 461 | 1957 | 182 | 34 | 6 | 27 | 249 |
| 459 | 504 | 1958 | 181 | 40 | 6 | 24 | 251 |
| 495 | 533 | 1959 | 193 | 41 | 10 | 22 | 266 |
| 578 | 575 | 1960 | 189 | 43 | 10 | 25 | 267 |
| 710 | 639 | 1961 | 218 | 53 | 10 | 24 | 305 |
| 725 | 703 | 1962 | 231 | 68 | 7 | 40 | 346 |
| 733 | 733 | 1963 | 233 | 66 | 7 | 44 | 350 |

DISTRIBUTION OF JUNIOR RANGERS (Summer Months)

| DISTRICT | 1944 | 1945 | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 |
|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Chapleau..... | .. | .. | .. | .. | .. | .. | 14 | 15 | 23 | 26 | 40 | 46 | 39 | 38 | 35 |
| Cochrane..... | .. | .. | .. | .. | 12 | 25 | 25 | 21 | 26 | 36 | 39 | 45 | 39 | 35 | 24 |
| Fort Francis... | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 14 | 16 | 14 | 14 |
| Geraldton..... | .. | .. | .. | .. | .. | .. | 10 | 10 | 10 | 15 | 35 | 24 | 27 | 48 | 59 |
| Gogama..... | .. | .. | .. | .. | .. | 10 | 15 | 12 | 21 | 25 | 34 | 43 | 27 | 38 | 36 |
| Kapuskasing... | .. | .. | .. | .. | 8 | 10 | 14 | 12 | 12 | 21 | 32 | 43 | 33 | 28 | 34 |
| Kenora..... | .. | .. | .. | .. | .. | .. | 11 | .. | .. | .. | 10 | .. | 10 | 11 | 25 |
| Lindsay..... | .. | .. | .. | .. | .. | 12 | 15 | 14 | 14 | 25 | 29 | 46 | .. | .. | .. |
| North Bay..... | 10 | 13 | 12 | 18 | 21 | 26 | 27 | 21 | 22 | 30 | 38 | 38 | 38 | 48 | 35 |
| Parry Sound... | 11 | 10 | 10 | 12 | 25 | 19 | 18 | 12 | 12 | 15 | 20 | 25 | 46 | 35 | 36 |
| Pembroke..... | .. | .. | 12 | 29 | 20 | 40 | 42 | 32 | 32 | 35 | 42 | 51 | 48 | 42 | 34 |
| Port Arthur.... | .. | .. | .. | .. | .. | .. | .. | .. | 13 | 15 | 11 | 8 | 24 | 13 | 36 |
| Sault Ste. Marie | .. | 10 | 10 | 11 | 13 | 22 | 20 | 20 | 31 | 37 | 60 | 53 | 75 | 73 | 64 |
| Sioux Lookout.. | .. | .. | .. | .. | .. | .. | .. | 9 | 12 | 21 | 19 | .. | 11 | 13 | 13 |
| Sudbury..... | .. | 7 | 15 | 13 | 20 | 26 | 16 | 14 | 14 | 23 | 24 | 42 | 76 | 51 | 46 |
| Swastika..... | .. | .. | .. | .. | 8 | 28 | 32 | 24 | 24 | 27 | 31 | 11 | 43 | 24 | 24 |
| Tweed..... | .. | .. | .. | 9 | 21 | 19 | 18 | 15 | 24 | 29 | 32 | 26 | .. | .. | .. |
| White River... | .. | .. | .. | .. | .. | .. | 12 | 11 | 22 | 23 | 28 | 42 | 62 | 39 | 49 |
| TOTAL..... | 21 | 40 | 59 | 92 | 148 | 237 | 289 | 242 | 312 | 403 | 524 | 557 | 614 | 550 | 564 |

DISTRIBUTION OF JUNIOR RANGERS (Summer Months)

| DISTRICT | 1959 | 1960 | 1961 | 1962 | 1963 |
|------------------|------|------|------|------|-------|
| Chapleau..... | 37 | 36 | 69 | 88 | 112 |
| Cochrane..... | 24 | 25 | 36 | 33 | 57 |
| Fort Francis... | 23 | 12 | 12 | 24 | 49 |
| Geraldton..... | 64 | 46 | 60 | 55 | 94 |
| Gogama | | | | | |
| Gogama..... | 39 | 37 | 47 | 35 | 56 |
| Kapuskasing... | 40 | 36 | 36 | 39 | 62 |
| Kenora..... | 26 | 13 | 12 | 13 | 39 |
| North Bay..... | 38 | 26 | 36 | 34 | 73 |
| Parry Sound... | 37 | 36 | 46 | 55 | 93 |
| Pembroke | 34 | 24 | 33 | 37 | 71 |
| Port Arthur.... | 39 | 24 | 25 | 36 | 132 |
| Sault Ste. Marie | 63 | 67 | 64 | 65 | 119 |
| Sioux Lookout.. | 15 | 13 | .. | 23 | 47 |
| Sudbury | 39 | 49 | 48 | 57 | 113 |
| Swastika..... | 26 | 24 | 48 | 40 | 98 |
| White River ... | 49 | 35 | 47 | 47 | 85 |
| TOTAL..... | 593 | 503 | 619 | 681 | 1,300 |

SUMMARY OF CLASSIFICATIONS

Permanent and Temporary Staff as of November 30, 1963

| GROUPS | Head Office | Field | Total |
|-------------------------------|----------------|--------------|--------------|
| Air Engineers | 36 | 11 | 47 |
| Air Pilots..... | 15 | 20 | 35 |
| Air Service Staff..... | 19 | ..... | 19 |
| Artists, Commercial..... | 1 | ..... | 1 |
| Biologists..... | 18 | 38 | 56 |
| Boat Captains..... | ..... | 1 | 1 |
| Communication Technicians.... | 7 | 20 | 27 |
| Conservation Officers..... | 2 | 241 | 243 |
| Conservationists..... | 20 | ..... | 20 |
| Draughtsmen, Cartographers... | 50 | ..... | 50 |
| Engineers..... | 7 | ..... | 7 |
| Engineers (Stationary)..... | ..... | 5 | 5 |
| Foresters..... | 45 | 116 | 161 |
| Forest Rangers..... | 10 | 650 | 660 |
| Hatchery Staffs..... | 8 | 59 | 67 |
| Maintenance Staffs..... | 10 | 116 | 126 |
| Mechanics, etc. | 5 | 62 | 67 |
| Office Staffs..... | 305 | 297 | 602 |
| Photography Staffs..... | 13 | ..... | 13 |
| Radio Operators..... | 3 | 22 | 25 |
| Reforestation Staffs..... | 1 | 86 | 87 |
| Research Scientists..... | 10 | 5 | 15 |
| Research Technicians..... | 6 | 1 | 7 |
| Safety Officers..... | 2 | 3 | 5 |
| Solicitors..... | 1 | ..... | 1 |
| Supervisory Staff..... | 39 | 49 | 88 |
| Supply Assistants..... | 11 | 16 | 27 |
| Surveyors..... | 6 | ..... | 6 |
| Survey Technicians..... | 3 | ..... | 3 |
| Truck Drivers..... | 3 | 21 | 24 |
| TOTAL..... | 656 | 1,839 | 2,495 |

FOREST RANGERS

| | | | |
|---------------|-------|-----|-----|
| Class 5*..... | ..... | 20 | 20 |
| Class 4*..... | 2 | 88 | 90 |
| Class 3*..... | 1 | 197 | 198 |
| Class 2..... | 5 | 173 | 178 |
| Class 1..... | 2 | 172 | 174 |

CONSERVATION OFFICERS

| | | | |
|---------------|-------|-----|-----|
| Class 6*..... | ..... | 8 | 8 |
| Class 5*..... | 2 | 13 | 15 |
| Class 4*..... | ..... | 14 | 14 |
| Class 3*..... | ..... | 21 | 21 |
| Class 2..... | ..... | 164 | 164 |
| Class 1..... | ..... | 21 | 21 |

(*Supervisory Level)

ASSISTANT DEPUTY MINISTER

G. H. U. BAYLY

REGIONAL DIRECTORS

R. D. K. ACHESON - - - - - 172 Elm St., West,
Sudbury.
Telephone Osbourne 5-8394

A. S. BRAY - - - - - Forestry Building,
Port Arthur.
Telephone DI-5-6543.

REGIONAL FORESTERS

R. BOULTBEE - - - - - WESTERN
232 Scott St.,
Fort Frances.
Telephone BR-4-5337.

R. HYSLOP - - - - - MID-WESTERN
Forestry Building
Port Arthur.
Telephone DI-5-6543.

R. H. HAMBLBY - - - - - NORTHERN
113 6th Avenue,
Cochrane.
Telephone 139.

D. R. WILSON - - - - - SOUTH-EASTERN
Ontario Government Building,
Lindsay.
Telephone 324-6121.

P. ADDISON - - - - - SOUTH-WESTERN
R. R. 2, Maple.
Telephone Av-5-1171-212.

LANDS AND FORESTS ADMINISTRATIVE DISTRICTS

| (Areas are given in square miles as of April 5, 1963) | Administrative District Fish & Wildlife Control | | | Fire Protection | | |
|--|--|--------|---------|-----------------|-------|--------|
| | Land | Water | Total | Land | Water | Total |
| Chapleau..... | 6,279 | 633 | 6,912 | 6,279 | 633 | 6,912 |
| Cochrane..... | 62,522 | 5,660 | 68,182 | 54,026 | 4,061 | 58,087 |
| Fort Frances..... | 5,820 | 1,379 | 7,199 | 5,820 | 1,379 | 7,199 |
| Geraldton..... | 35,543 | 9,807 | 45,350 | 35,543 | 9,807 | 45,350 |
| Gogama..... | 5,931 | 446 | 6,377 | 5,931 | 446 | 6,377 |
| Kapuskasing..... | 17,776 | 750 | 18,526 | 17,776 | 750 | 18,526 |
| Kemptville..... | 5,351 | 298 | 5,649 | 596 | 31 | 627 |
| Kenora..... | 9,173 | 3,000 | 12,173 | 9,173 | 3,000 | 12,173 |
| Lake Erie..... | 6,905 | 6,142 | 13,047 | ..... | ..... | ..... |
| Lake Huron..... | 8,860 | 6,486 | 15,346 | 723 | 22 | 745 |
| Lake Simcoe..... | 4,710 | 1,444 | 6,154 | 220 | 19 | 239 |
| Lindsay..... | 5,097 | 1,692 | 6,789 | 2,498 | 217 | 2,715 |
| North Bay..... | 4,969 | 887 | 5,856 | 4,969 | 887 | 5,856 |
| Parry Sound..... | 5,552 | 3,031 | 8,583 | 5,552 | 3,031 | 8,583 |
| Pembroke..... | 4,765 | 410 | 5,175 | 4,575 | 400 | 4,975 |
| Port Arthur..... | 11,309 | 2,578 | 13,887 | 11,309 | 2,578 | 13,887 |
| Sault Ste. Marie..... | 8,167 | 3,387 | 11,554 | 8,024 | 3,328 | 11,352 |
| Sioux Lookout..... | 109,016 | 11,099 | 120,115 | 73,402 | 8,001 | 81,403 |

| | | | | | | |
|------------------------------|---------|--------|---------|---------|--------|---------|
| Sudbury..... | 6,538 | 4,298 | 10,836 | 6,538 | 1,243 | 7,781 |
| Swastika..... | 5,270 | 291 | 5,561 | 5,270 | 291 | 5,561 |
| Tweed..... | 7,015 | 1,721 | 8,736 | 4,364 | 302 | 4,666 |
| White River..... | 6,400 | 3,051 | 9,451 | 6,400 | 3,051 | 9,451 |
| TOTAL..... | 342,968 | 68,490 | 411,458 | 268,988 | 43,477 | 312,465 |
| Manitoulin Island Group..... | | | 1,124 | | | |
| Total Area of Ontario..... | | | 412,582 | | | |

Square Miles. This includes the Great Lakes north of the International Boundary.

St. Joseph Island (143 sq. mile) is included in Sault Ste. Marie District for all purposes except fire protection.

Manitoulin Islands, including Cockburn Island, are in Sudbury District for Fish and Wildlife control, only. Sudbury administrative area includes waters of the North Channel and Lake Huron within the Territorial District of Manitoulin, but it does not include the land area of Manitoulin, Cockburn, Fritzwilliam, Lonely, Great Duck, Western Duck or Barrie Islands.

The Great Lakes are included in Administrative Water Areas as follows: Port Arthur, 1,593; Geraldton, 4,872; White River, 2,530; Sault Ste. Marie, 2,737; Tweed, 1,349; Lindsay, 1,268; Lake Erie, 5,832; Lake Simcoe, 1,082; Lake Huron, 6,446; Sudbury, 3,664; and Parry Sound, 2,323. Total: 33,696 square miles.

Ontario's southern boundary has a shoreline of 2,362 miles; northern boundary, 680 miles.

The highest point in Ontario is in the Lake Superior Region where land is 2,120 feet above sea level.

CHAPLEAU DISTRICT

OFFICE: Corner Lorne and Beach Streets.

Telephone 51

District Forester J. R. Keddie

SUPERVISORS

| | |
|-----------------------------|----------------|
| Accounts | H. Tjoelker |
| Fish and Wildlife | V. Crichton |
| Forest Protection. | |
| Lands | W. E. MacPhail |
| Parks | W. E. MacPhail |
| Timber | D. E. Gage |
| Scaling | L. C. Mantle |

CHIEF RANGERS

| | |
|-----------------------|-----------------|
| Biscotasing | W. P. O'Donnell |
| Chapleau | L. T. Cecile |

DEPUTY CHIEF RANGERS

| | |
|------------------------|-------------------------|
| F. R. Bergin, Chapleau | H. G. Kohls, Missanabie |
| G. Dingee, Sultan | L. G. Woods, Chapleau |

COCHRANE DISTRICT

OFFICE: Court House. Telephone 142.

District Forester F. L. Hall

SUPERVISORS

| | |
|-----------------------------|---------------|
| Accounts | A. N. Birney |
| Fish and Wildlife | S. Nodwell |
| Forest Protection. | G. P. Elliott |
| Lands | H. E. Wright |
| Reforestation. | |
| Timber | P. Anslow |
| Scaling | J. H. Butts |

CHIEF RANGERS

| | |
|--------------------|------------|
| Low Bush | R. Woodall |
| Cochrane | |
| Timmins | C. R. Gray |

DEPUTY CHIEF RANGERS

| | |
|--------------------------|---------------------------------|
| J. D. Bond, Kettle Lake | A. E. Ross, Cochrane |
| W. J. Froude, Cochrane | I. Stewart, Timmins |
| L. A. Mahon, Nellie Lake | K. C. Veitch, Smooth Rock Falls |
| R. Patrick, Cochrane | K. G. Wiskin, Timmins |

FORT FRANCES DISTRICT

OFFICE: 232 Scott Street. Telephone Browning 4-5337.

District Forester R. A. Balkwill

SUPERVISORS

| | |
|-----------------------------|---------------|
| Accounts. | A. R. Taylor |
| Fish and Wildlife | D. D'Agostini |
| Biologist. | |
| Forest Protection. | H. R. Redding |
| Surveys and Parks | L. Rawn |
| Reforestation | E. L. Kelly |
| Timber | H. Henry |
| Scaling | G. E. Mayhew |

CHIEF RANGERS

| | |
|------------------------|----------------|
| Fort Frances | J. E. Anderson |
| Atikokan. | F. Dustak |

DEPUTY CHIEF RANGERS

| | |
|---------------------------|-----------------------------|
| F. R. Dumeney, Rainy Lake | R. H. Pattison, Barwick |
| M. J. Kaliska, Atikokan | S. V. Roberts, Fort Francis |
| S. A. Kellar, Rainy Lake | |

GERALDTON DISTRICT

OFFICE: 184 Main Street. Telephone 1030.

District Forester G. E. MacKinnon

SUPERVISORS

| | |
|-----------------------------|---------------------|
| Accounts | B. J. Scalzo |
| Fish and Wildlife | E. H. Stone |
| Biologist | J. Goddard (Acting) |
| Forest Protection. | R. V. Brady |
| Land and Parks | A. F. Parker |
| Timber | F. C. Robinson |
| Scaling | A. G. Strey |

CHIEF RANGERS

| | |
|----------------------|----------------|
| Longlac | H. N. Whalen |
| Nakina | J. A. Murphy |
| Plays Plat | A. J. McGoey |
| Geraldton. | P. Bellavance |
| MacDiarmid | R. W. A. Koski |

DEPUTY CHIEF RANGERS

| | |
|--------------------------|-------------------------|
| J. W. Auger, MacDiarmid, | J. P. King, Longlac |
| K. E. Bowlier, Nakina | M. Linard, Longlac |
| A. J. Bull, Pays Plat | B. Petman, MacDiarmid |
| S. Cowan, Geraldton | E. D. Turner, Geraldton |
| N. A. Grozelle, Longlac | M. Wasylikiw, Geraldton |

GOGAMA DISTRICT

OFFICE: Town of Gogama. Telephone 95.

District Forester D. M. Peacock

SUPERVISORS

| | |
|-----------------------------|---------------|
| Accounts | J. D. Petrony |
| Fish and Wildlife | D. J. Gawley |
| Forest Protection. | W. G. Taylor |
| Lands | R. Brandes |
| Parks | |
| Timber | J. McKnight |
| Scaling | E. Dew |

CHIEF RANGERS

| | |
|-------------------|------------------|
| Foleyet | J. R. Languerand |
| Gogama | A. F. Papineau |

DEPUTY CHIEF RANGERS

| | |
|-------------------------|-----------------------|
| W. E. Belisle, Gogama | J. R. Morin, Gogama |
| G. Herron, Gogama | J. E. Morin, Gogama |
| R. A. Beauchamp, Gogama | D. S. Stewart, Gogama |

KAPUSKASING DISTRICT

KAPUSKASING

OFFICE. Kapuskasing.
Telephone Edgewood 5-2231

District Forester D. A. Fawcett

SUPERVISORS

| | |
|-----------------------------|----------------|
| Accounts. | J. A. Vance |
| Fish and Wildlife | |
| Forest Protection. | J. L. Canfield |
| Lands | R. G. Rowson |
| Parks | R. N. Staley |
| Reforestation | P. Hare |
| Timber | R. A. Baxter |
| Scaling | V. M. Silver |

CHIEF RANGERS

| | |
|----------------------|----------------|
| Kapuskasing. | J. H. Clavelle |
| Hearst. | L. E. Fleguel |
| Hornepayne | L. E. Grife |

DEPUTY CHIEF RANGERS

| | |
|-------------------------|------------------------------|
| P. J. Claes, Hornepayne | F. J. Labonte, Hearst |
| J. G. Duhaime, Hearst | B. J. Lapenskie, Kapuskasing |
| H. E. Hutchinson, Oba | J. A. Millette, Kapuskasing |
| D. C. Jones, Hornepayne | G. Poitras, Kapuskasing |
| G. O. Koistinen, Hearst | J. H. Thompson, Hearst |

KEMPTVILLE DISTRICT

OFFICE: Kemptville. Telephone 258-3411.

| | |
|---------------------------------------|-------------------|
| District Forester | W. A. G. Thurston |
| Assistant District Forester | N. D. Patrick |

SUPERVISORS

| | |
|-----------------------------|----------------|
| Accounts | F. S. Bumstead |
| Fish and Wildlife | N. D. Patrick |
| Forest Protection | E. A. Green |
| Lands and Parks | E. A. Green |
| Timber | H. R. Grinnell |

NURSERY

| | |
|----------------------|----------------|
| Kemptville | H. H. de Vries |
|----------------------|----------------|

DEPUTY CHIEF RANGERS

D. G. Kennedy, Lanark

KENORA DISTRICT

OFFICE: 213-15 Main Street.
Telephone Homestead 8-9841.

| | |
|-----------------------------|-------------|
| District Forester | G. F. Coyne |
|-----------------------------|-------------|

SUPERVISORS

| | |
|-----------------------------|----------------|
| Accounts | G. McChesney |
| Fish and Wildlife | M. Linklater |
| Biologist | W. H. Charlton |
| Lands | J. Wynd |
| Parks | H. V. Berg |
| Timber | D. J. Vance |
| Scaling | G. C. Mackey |

CHIEF RANGERS

| | |
|------------------|--------------|
| Kenora | J. Mackay |
| Minaki | N. B. Pigeon |
| Dryden | |

DEPUTY CHIEF RANGERS

| | |
|----------------------------|------------------------------|
| K. A. Alexander, Dryden | A. Lundmark, Dryden |
| J. K. Cleaveley, Minaki | J. G. Minor, Vermilion |
| M. L. Frenette, Dryden | H. D. Morrison, Nester Falls |
| A. A. Gordon, Nester Falls | W. Neculeac, Kenora |
| W. O. Hansson, Dymont | A. W. Stone, Sioux Narrows |

LAKE ERIE DISTRICT

OFFICE: Aylmer West. Telephone Aylmer 8.

District Forester J.W. Lockwood

SUPERVISORS

| | |
|------------------------------------|---------------|
| Accounts | G. B. Fewings |
| Conservation Authorities | L.N. Johnston |
| Fish and Wildlife | E. L. Skuce |
| Parks | K. A. Cameron |
| Timber | C. J. Heeney |

NURSERY

| | |
|------------------------|---------------|
| St. Williams | A. A. Russell |
|------------------------|---------------|

PARKS

| | |
|------------------------------------|----------------|
| Rondeau | D. A. Scott |
| Ipperwash and Clay Creek | J. A. Matheson |
| Long Point | T. L. Beck |
| Holiday Beach | R. J. Mennenga |

LAKE HURON DISTRICT

OFFICE: R.R. No. 1, Hespeler,
Telephone Oliver 8-9356.

District Forester E. K. E. Dreyer

SUPERVISORS

| | |
|-----------------------------|--------------|
| Accounts | H. Makcrow |
| Fish and Wildlife | E. Meadows |
| Biologist | R. E. Mason |
| Parks | R. W. Jordan |
| Timber | J. L. Mullen |

LAKE SIMCOE DISTRICT

OFFICE: R.R. 2, Maple. Telephone Avenue 5-1171--218.

District Forester A.W. Leman

SUPERVISORS

| | |
|------------------------------------|---------------|
| Accounts | J. Carswell |
| Conservation Authorities | W.D. Adlam |
| Fish and Wildlife | R.H. Trotter |
| Biologist | A.A. Wainio |
| Forest Protection. | |
| Lands | N.O. Bell |
| Parks | A.D. Selwood |
| Timber | S.R. Hamilton |

NURSERIES

| | |
|--------------------|--------------|
| Angus | W.E. Edwards |
| Midhurst | J. Halpenney |

PARKS

Sibbald's Point D.R. Cutts

DEPUTY CHIEF RANGERS

H.D. Cochrane, Severn

LINDSAY DISTRICT

OFFICE: Ontario Government Building, Lindsay.
Telephone Fairview 4-6121.
(Direct line from Head Office)

District Forester A.E. Walroth

SUPERVISORS

| | |
|------------------------------------|---------------|
| Accounts | H.C. Wallwin |
| Conservation Authorities | H.G. Hooks |
| Fish and Wildlife | P.W. Swanson |
| Biologist | K. Irizawa |
| Forest Protection. | B.B. Benson |
| Lands | G. Simons |
| Parks | P.R. Davidson |
| Timber | E.F. Johnston |
| Scaling | R.A. Quirt |

CHIEF RANGERS

| | |
|---------------------|--------------|
| Minden | P.J. Cassidy |
| Gooderham | W. Sarginson |

PARKS

Presqu'ile J.L. Hamill

NURSERY

Orono W.R. Bunting

DEPUTY CHIEF RANGERS

| | |
|-----------------------|--------------------------|
| H.N. Bates, Gooderham | J.M. Scott, Apsley |
| J.H. Lever, Lindsay | S.A. Shields, Haliburton |
| M.J. O'Neill, Minden | |

NORTH BAY DISTRICT

OFFICE: 263a Main Street West.
Telephone Grover 2-9360.
(Direct line from Head Office)

District Forester W. B. M. Clarke
Assistant District Forester

SUPERVISORS

Accounts J. E. Rogers
Fish and Wildlife J. F. Gage
Biologist J. F. Gage
Forest Protection. F. M. Miller
Lands W. Turnbull
Parks A. D. Tremblay
Timber R. Lockhart
Scaling R. T. Fraser

CHIEF RANGERS

Temagami. A. W. O'Donnell
North Bay. J. E. Rummey

DEPUTY CHIEF RANGERS

| | |
|--------------------------|-------------------------------|
| F. E. Cannon, Temagami | T. M. McCormick, Marten River |
| W. H. Hawley, Haddo | G. M. Samells, North Bay West |
| A. W. Jackson, Field | J. J. Sargent, Temagami |
| C. H. Laberge, Champlain | R. H. Smith, North Bay East |
| E. E. Lafleur, Latchford | |

PARRY SOUND DISTRICT

OFFICE: 41 James Street. Telephone Riverside 6-2141.

District Forester M. A. Adamson
Assistant District Forester

SUPERVISORS

Accounts G. F. Walter
Fish and Wildlife J. A. Macfie
Biologist C. W. Douglas
Senior Conservation Officer C. W. Douglas
Forest Protection. D. Burns
Lands T. H. E. Croswell
Parks W. R. Peck
Timber W. A. Perrin
Scaling A. J. Tracy

CHIEF RANGERS

Parry Sound J. A. Shalla
Powassan W. J. Barber
Bracebridge

DEPUTY CHIEF RANGERS

| | |
|---------------------------|-----------------------------|
| J. E. Barker, Dorset | M. J. Flaherty, Bracebridge |
| E. R. Brooks, Powassan | R. F. Kimberley, Loring |
| L. D. Collard, Byng Inlet | M. Salt, Arbeg |

PEMBROKE DISTRICT

OFFICE: 162 Agnes Street. Telephone Regent 2-3661.

District Forester F. E. Sider
Assistant District Forester

SUPERVISORS

Accounts G. Bragg
Fish and Wildlife H. E. Deedo
Biologist J. F. Gardner
Forest Protection J. K. K. Legris
Lands J. Orme
Parks J. E. Collard
Timber C. R. Groves

CHIEF RANGERS

Pembroke R. N. Cousineau
Whitney H. W. Hanes
Stonecliffe J. J. R. Tait

DEPUTY CHIEF RANGERS

| | |
|----------------------------|----------------------------|
| J. H. Bingley, Stonecliffe | M. I. Mantifel, Round Lake |
| C. R. Buske, Pembroke | F. Mitchell, Pembroke |
| W. D. Christie, Kiosk | K. H. Moore, Whitney |
| M. L. Doney, Whitney | D. F. Palubiski, Pembroke |
| W. A. Lentz, Achray | A. E. Prange, Pembroke |
| J. T. Linklater, Whitney | R. P. Schroeder, Pembroke |

PORT ARTHUR DISTRICT

OFFICE: Forestry Building, 14 Algoma St. North.
Telephone Diamond 5-6543.

District Forester W. L. Sleeman

SUPERVISORS

Accounts J. Chadwick
Fish and Wildlife
Biologist C. A. Elsey
Forest Protection F. M. Dodds
Lands W. Jarvis
Parks E. Diamond
Timber
Scaling J. W. E. Peden

CHIEF RANGERS

Port Arthur S. O. Russell
Black Sturgeon J. A. Moore
Shebandowan G. Murray

NURSERY

Fort William E. M. Cressman

DEPUTY CHIEF RANGERS

| | |
|------------------------------|---------------------------|
| V. Hansen, Port Arthur | L. W. Reid, Upsala |
| P. Harkema, Shebandowan | N. J. Small, Fort William |
| K. D. Irving, Black Sturgeon | E. J. Swift, Port Arthur |
| W. M. Pennock, Shebandowan | |

SAULT STE. MARIE DISTRICT

OFFICE: Airdrome Building. Telephone Algoma 6-7461.

District Forester J.S. Ball

SUPERVISORS

| | |
|-----------------------------|-----------------|
| Accounts | G.J. Murray |
| Fish and Wildlife | |
| Biologist | |
| Forest Protection. | G. A. McCormack |
| Lands | J.M. Small |
| Timber | E. F. Anderson |
| Scaling. | H.W. Green |

CHIEF RANGERS

| | |
|----------------------------|---------------|
| Blind River | J. A. Huppe |
| Sault Ste. Marie | C. Tregonning |
| Sand Lake. | E. Montgomery |

DEPUTY CHIEF RANGERS

| | |
|-------------------------|-------------------------------|
| F.M. Beaton, Mount Lake | L.J. Pigeon, Sault Ste. Marie |
| L.G. Bell, Pancake Bay | F.E. Seneca, Agawa |
| R.H. Gemmill, Sand Lake | H.J. Stoneman, Elliott Lake |
| G.N. Gibson, Red Rock | L.E. St. Pierre, Blind River |
| G.R. Murray, Kirkwood | C.D. Vaughan, Peshu Lake |
| M.B. Pepin, Blind River | A.R. McClelland, Ranger Lake |

SIoux LOOKOUT DISTRICT

OFFICE: 38 Front Street. Telephone 740.

| | |
|---------------------------------------|----------------|
| District Forester. | W.G. Cleaveley |
| Assistant District Forester | J. E. Barnes |

SUPERVISORS

| | |
|-----------------------------|-----------------|
| Accounts | D. Munch |
| Fish and Wildlife | C. E. Perrie |
| Biologist | A. E. Armstrong |
| Forest Protection. | E. W. Bouchey |
| Lands | S. N. Johnson |
| Reforestation | |
| Timber | J. K. Gaughan |
| Scaling | E. L. Sullivan |

CHIEF RANGERS

| | |
|------------------------|----------------|
| Armstrong | H. S. Anderson |
| Pickle Lake. | S.W. Hanson |
| Red Lake | D. R. Williams |
| Sioux Lookout. | G.M. Fenelon |
| Ignace. | F. Nicoll |

DEPUTY CHIEF RANGERS

| | |
|--------------------------------|-----------------------|
| G.A. Baverstock, Sioux Lookout | J.S. Legace, Red Lake |
| G.W. Clark, Lake-of-Bays | J.W. Lyon, Lac Seul |
| R.E. Chornupski, Armstrong | A.H. Snow, Ear Falls |
| D.R. Hand, Ignace | S.A. Sprager, Sioux |
| I. Lawson, Pickle Lake | Lookout |

SUDBURY DISTRICT

OFFICE. 172 Elm St. West. Telephone Osbourne 5-8394.
(Direct line from Head Office)

District Forester. G. A. Hamilton

SUPERVISORS

| | |
|-----------------------------|----------------|
| Accounts | G. Jennings |
| Fish and Wildlife | C. Bibby |
| Biologist | G.I. Gillespie |
| Forest Protection. | L.G. Ridsdill |
| Lands | A.S. Currie |
| Reforestation | A.W. Chalk |
| Timber | J. F. Flowers |
| Scaling | C.J. Munro |

CHIEF RANGERS

| | |
|--------------------|----------|
| Skead | V. Bragg |
| Espanola | E. Morin |
| Sudbury | W. Wetow |

DEPUTY CHIEF RANGERS

| | |
|--------------------------|-----------------------|
| A.J. Furlong, Skead | V.A. Penttinen, Skead |
| E.A. Hansson, Massey | W. Piche, Espanola |
| D.H. Kohls, Windy Lake | A.T. Proulx, Skead |
| K. Kukkonen, Penage Lake | G.R. VanHorn, Sudbury |
| L.P. MacDonald, Jamot | |

SWASTIKA DISTRICT

OFFICE: Swastika. Telephone Kirkland Lake 3090.

District Forester. J. D. Hughes

SUPERVISORS

| | |
|-----------------------------|--------------|
| Accounts | H. Michiel |
| Fish and Wildlife | D. Waldriff |
| Biologist | |
| Forest Protection. | L.L. Bronson |
| Lands | J. McDougall |
| Parks | H. Mattson |
| Reforestation | |
| Timber. | A.H. Peacock |
| Scaling | F. Thib |

CHIEF RANGERS

| | |
|--------------------|--------------|
| Elk Lake | G.L. Jones |
| Matheson | V. L. Wilson |
| Swastika. | H. Stuart |

NURSERY

Superintendent J.R. Oatway

DEPUTY CHIEF RANGERS

| | |
|-----------------------------|-------------------------------|
| W.E. Bond, Matachewan | W.A. Humphrey, Larder Lake |
| E.C. Borden, Swastika, West | M.C. Mitchell, Swastika, East |
| D.W. Butler, Elk Lake | A.A. Peever, Matheson |
| G. Cahill, Matheson | L.J. Wickware, Englehart |

TWEED DISTRICT

OFFICE: Municipal Building, Metcalfe Street. Telephone 361.

District Forester J. M. Taylor
Assistant District Forester

SUPERVISORS

Accounts W. H. Porch
Fish and Wildlife H. S. Dornan
Biologist R. E. Whitfield
Forest Protection. B. T. Dunne
Lands A. E. Beach
Parks W. H. Cantelon
Timber J. Keenan
Scaling W. J. Everett

CHIEF RANGERS

Dacre M. D. Mulvihill
Bancroft. O. Goodman
Tweed J. J. Shalla

DEPUTY CHIEF RANGERS

E. G. Card, Bancroft D. Mumford, Tweed
H. E. Clark, White Lake R. E. Sutherland, Bancroft
W. Gorr, Plevna J. J. Windue, Dacre
J. I. McKenzie, Green Lake L. H. Wright, Gilmour
R. Musclow, Palmer Rapids

WHITE RIVER DISTRICT

OFFICE: White River. Telephone 186.

District Forester A. L. Dunne

SUPERVISORS

Accounts W. C. Johnstone
Fish and Wildlife E. A. Pozzo
Biologist M. L. Wilton
Forest Protection. W. Kitt
Lands and Parks W. M. Mitchell
Reforestation J. D. Griffiths
Timber L. H. Eckel
Scaling J. E. Hamilton

CHIEF RANGERS

Jamestown C. Macdonald
Mobert V. E. Niemi
Wawa C. MacDonald
White River V. E. Niemi

DEPUTY CHIEF RANGERS

B. T. Cannon, Wawa C. R. Petrosky, Wawa
J. D. Schreiber, Franz I. Riives, White River

ONTARIO FOREST RANGER SCHOOL

Dorset. Telephone Roger 6-2242.

| | |
|--------------------|------------|
| Director. | Q. E. Hess |
| Accounts | J. Palmer |

INSTRUCTORS

E. Goodman
W. A. Morris
G. Pennock
W. P. Small
D. L. Lillow
J. E. Dickenson

NEW POLICIES

[illegible]

RESEARCH BRANCH

The Forestry Act of 1927 gave formal recognition to the need for a research programme. A five-man Forestry Board, established under the Act, was composed of members of the Department, the University of Toronto and of forest industries. The recommendations of the Board led to the formation of a research group in the Forestry Branch of the Department in 1929. Five foresters were employed, two at Head Office and three in the field in the Districts of Sault Ste. Marie, Sudbury and North Bay. The depression of the 1930's and the reversal of government policy led to the dismissal of the group in 1935.

Research Branch (called Division until 1959) was established as part of a Department re-organization in 1941, but it was not until 1944 that a staff could be recruited and employed under a full-time Chief.

R. N. Johnston was appointed Chief on January 1st, 1944. He was appointed Director on October 1st, 1957.

Southern Research Station was established in 1944 near Maple where it provided a headquarters and laboratory space for the majority of the staff.

FORESTRY

Since 1944, field establishments for forest research have been set up in six of the seven Administrative Regions of the Province: at Port Arthur in the Mid-Western Region in 1947; Dorset, South-Central, 1950; Cochrane, Northern, 1951; Maple, South-Western, 1953; Tweed, South-Eastern, 1957; and at Sault Ste. Marie, Central, 1959. The Mid-Western Research Unit carries out some projects in the Western Region.

Forestry research units study the silvics of commercial tree species, and their reproduction and growth under various conditions, with the object of developing cultural practices which will ensure maximum production within economic limits.

A site research programme has been carried on since 1944 to provide a frame work for forest management by establishing ecological types-combinations of landform, soil, climate and forests. Eleven site regions have been established. Characteristic forest successions and production occur within every region.

The tree breeding programme, begun in 1946, has two main projects: the selection and propagation of superior strains of white pine resistant to blister rust and weevil; and fast-growing poplars of good form. More recently, smaller programmes have been started-two-needled pines in 1954, chestnuts in 1955, and white cedar in 1956.

RESEARCH BRANCH

Chief: R. N. JOHNSTON

Assistant Chief: A. P. LESLIE

Executive Officer: A. R. FENWICK

FISHERIES

K. H. LOFTUS

WILDLIFE

R. O. STANDFIELD

FORESTRY

D. H. BURTON

MECHANICS

M. H. BAKER

STATISTICS

T. W. DWIGHT

Forest mensuration studies are concerned with volume tables and tree growth. These studies were started in 1950, discontinued in 1956 and resumed in 1959.

In 1954, a research group was established to assist in the solution of forest nursery problems, of a technical nature, and of problems connected with the establishment and care of plantations.

Wood quality studies were started in 1962 to gain an understanding of the specific physical and chemical qualities of commercially important tree species.

SERVICE GROUPS

In 1944, a mechanical research and service section was organized to test, develop and improve equipment to meet the special needs of the Department.

In 1948, a start was made in the establishment of a small group for the development, investigation and analysis of statistical models and designs for research.

FISHERIES AND WILDLIFE

Research programmes in fisheries and wildlife were added in 1946 when the Department of Game and Fisheries was merged with the Department of Lands and Forests. Previously, such research had been limited to several wildlife projects in Provincial Parks.

Fisheries

In 1946, a fisheries research section was established to conduct studies directed towards an understanding of the causes of changes in the abundance of fish species from year to year, and towards the development of practical techniques for the Department's management staff. This work includes the development of improved hybrids and participation in sea lamprey control.

The Ontario Government had provided a laboratory on Lake Opeongo in Algonquin Provincial Park where the University of Toronto had carried out a fisheries research programme since 1937. The Department took over the laboratory in 1947 since when it has been used by both the Department and the University.

In 1947, fisheries experimental work was started at South Bay, Manitoulin Island. When completed in 1951, the Department's laboratory at South Baymouth became the headquarters for fisheries research on Lake Huron. Since then, field research has been extended to Lake Erie, Lake Ontario and Lake Superior. The Department's programme continues to emphasize Great Lakes fisheries research.

In 1948, provision was made for laboratory research work in freshwater biology by the construction of a laboratory of experimental limnology at Southern Research Station. Both the Department and the University of Toronto use the facilities under an agreement similar to that under which the Lake Opeongo laboratory is operated. Joint committees advise on research by the two organizations.

Commencing in 1953 with the employment of a physicist, a sizeable group had developed by the spring of 1959 to carry out a physical limnology programme on the Great Lakes. This group was disbanded by the Department in the summer of 1959, and the work was transferred to the University of Toronto.

A new project was begun in 1962 to co-ordinate limnological research and collect data which are specifically related to studies on the fluctuations in year-class strengths of commercial and game fish.

Wildlife

In 1945, a wildlife research centre was established on a wilderness area in Algonquin Provincial Park.

In 1946, a wildlife section was established with headquarters at Southern Research Station to study factors determining the number and behaviour of mammals and birds, and the development of techniques for wildlife management. Ecological studies (on small animals and ruffed grouse) and deer censusing began.

Characteristically, the programme (as it has developed) has included investigations of big game (deer, moose and caribou), fur-bearing mammals (mainly beaver, marten and otter) and wolves. Other studies are concerned with diseases and parasites of birds, mammals and waterfowl.

In 1956, a programme was started to study the relationships between forests and wildlife-mainly forest damage caused by deer, rodents and hares.

CORRECTIONS

[illegible]

NEW POLICIES

TIMBER BRANCH

Timber Branch evolved from the year 1827 when disposal of Crown timber was carried out through the office of the Commissioner of Crown Lands. In 1852, the Woods and Forests Branch of the Crown Lands Department was established, centralizing the administration and removing authority from local agents. In 1867, the first Commissioner of Crown Lands in Ontario was appointed; the position was retained until the organization of the Department of Lands, Forests and Mines in 1905. In 1912, Forestry Branch was created. In 1939, Woods Branch was established and in 1941, became Timber Management Division under J.F. Sharpe. In 1957, Timber Management and Reforestation were amalgamated. J.A. Brodie was appointed Chief of the combined Divisions, re-named Timber Branch in 1959, incorporating three Sections- Reforestation, Silviculture and Timber.

The first public sales of Crown timber were made in 1826. In 1827, the sale of timber licences by public auction was commenced on the basis of a lump sum bonus per square mile, payable at the time of sale, and Crown Dues as fixed by regulation, paid on the basis of measurement when the timber was cut. In 1903, the sale of Crown timber was based on a bid price over and above Crown Dues established by regulation. In 1924, the current system of tendered sales was adopted, whereby the tenderer is required to bid over the Upset Price (a combination of Crown Dues and a bonus established by the Department).

Timber administration in the 22 Districts is under the supervision of a Timber Management Forester responsible to the District Forester. The Districts are divided into Crown and Company Management Units, each designed to be a workable unit easily accessible for the development of a sustained yield policy to supply industry, and, in the case of Company Units (those in excess of 50 square miles) to allow management on a sustained yield basis for the company, subject to control by the Department. Timber field administration includes nurseries, seed plants, seed collection, nursery production for Crown and private sales, preparation of management plans, marketing merchantable timber through a system of licensing, and the maintenance of the productive capacity of the management unit.

The Timber Administration field staff co-operates with County, Township and Conservation Authority officials in the management of lands within areas approved by the Minister. The Timber Management Supervisor is responsible for scaling and directing new programmes where assistance and advice is offered to private land holders.

TIMBER BRANCH

Chief: J. A. BRODIE

Assistant Chief: M. B. MORISON

REFORESTATION SECTION

Supervisor: R. W. Hummel

Tree Production and Distribution
Soil Amendment Programmes
Extension Forestry

SILVICULTURE SECTION

Supervisor: A. J. Herridge

Forest Inventory
Management Planning
Silviculture Operations

TIMBER SECTION

Supervisor: L. Ringham

Sales, Licensing
Stumpage Appraisal
Scaling

Special Projects

REFORESTATION SECTION

The steady developement of the reforestation programme across five decades was largely due to the efforts of Dr. E.J. Zavitz who started the first forest tree nursery for the government at Ontario Agricultural College in Guelph in 1904.

The nursery was moved to St. Williams in 1908 and supervised by Dr. Zavitz for the Department of Agriculture until 1912 when it was handed over to the new Forestry Branch established within the Department of Lands, Forests and Mines.

Dr. Zavitz transferred at the same time to assume control of the new Branch. He became Provincial Forester in 1917 and Deputy Minister for the Forestry Branch in 1926. He was Chief of Reforestation Division from 1941 until he was succeeded by G.H.U. Bayly on March 1st, 1953. Mr. Bayly retained this office until he was appointed Assistant Deputy Minister when the Department was reorganized in 1957.

Reforestation Section administers the collection of tree seed, the processing and planting of seed, nursery production, the distribution of nursery stock to the public, and the supply of trees for planting on Crown lands and Agreement Forest lands. It is carrying out a programme to improve the quality of seeds and seedlings. In the reforestation programme, it administers agreements made between the Minister and Corporations such as Authorities, Counties and Townships.

The Section allocates monies appropriated by the Legislature to conservation authorities and municipalities to assist them in the acquisition of lands that are suitable for forestry purposes and that are managed under agreement with the Department.

The Section has recently expanded the Private Land Forestry programme which includes technical assistance and advice to private landowners to encourage the growth and management of wood-lots.

REFORESTATION ESTABLISHMENTS

As at March 31st, 1963

| SEED PLANTS | YEAR ESTABLISHED |
|--------------------|---------------------|
| Angus | 1923 |
| St. Williams | 1908 |

FOREST STATIONS

| | |
|------------------------|------|
| Chapleau | 1956 |
| Dryden | 1958 |
| * Fort William | 1946 |
| Gogama | 1956 |
| * Kemptville | 1946 |
| * Midhurst | 1922 |
| * Orono | 1922 |
| Sault Ste. Marie | 1956 |
| * St. Williams | 1908 |
| Swastika | 1958 |
| White River | 1956 |

DEMONSTRATION FORESTS

| | |
|--------------------------------------|------|
| Angus | 1923 |
| Bloomfield (Sand Banks Forest) | 1920 |
| Elizabethville (Prouse Forest) | 1946 |
| St. Thomas (McKay Forest) | 1940 |
| Speyside | 1942 |

DISPOSITION OF NURSERY STOCK

In year ended March 31st, 1963.

| | |
|--|-------------------|
| Planted on Crown Lands | 29,091,021 |
| Planted in Forests Managed by the Minister | 4,867,430 |
| Supplied to Owners of Private Lands | 9,597,300 |
| Education and Scientific Purposes | 39,783 |
| Miscellany, Departmental Exhibits, etc. | 172,382 |
| Stored at Planting Sites, etc. .... | ..... |
| TOTAL | 43,767,916 |

*Demonstration forests, All forest stations include tree nurseries.

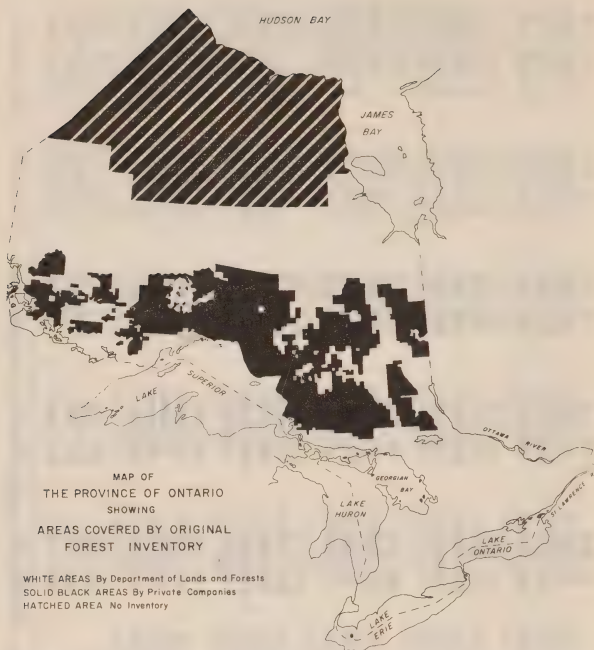
FOREST TREE PRODUCTION BY DEPARTMENT NURSERIES

| PERIOD | NO. OF TREES |
|----------------|--------------|
| 1905-1912..... | 1,480,539 |
| 1913-1925..... | 13,096,866 |
| 1925-1926..... | 4,433,409 |
| 1926-1927..... | 7,104,319 |
| 1927-1928..... | 11,138,985 |
| 1928-1929..... | 12,789,568 |
| 1929-1930..... | 11,175,894 |
| 1930-1931..... | 11,846,920 |
| 1931-1932..... | 10,303,569 |
| 1932-1933..... | 9,422,463 |
| 1933-1934..... | 9,760,730 |
| 1934-1935..... | 10,663,155 |
| 1935-1936..... | 10,109,772 |
| 1936-1937..... | 11,261,644 |
| 1937-1938..... | 12,339,993 |
| 1938-1939..... | 16,921,906 |
| 1938-1940..... | 17,266,697 |
| 1940-1941..... | 13,511,299 |
| 1941-1942..... | 11,303,187 |
| 1942-1943..... | 10,522,617 |
| 1943-1944..... | 10,999,379 |
| 1944-1945..... | 11,280,981 |
| 1945-1946..... | 13,175,575 |
| 1946-1947..... | 12,269,533 |
| 1947-1948..... | 13,049,776 |
| 1948-1949..... | 17,700,970 |
| 1949-1950..... | 19,027,807 |
| 1951-1952..... | 20,749,268 |
| 1952-1953..... | 24,241,754 |
| 1953-1954..... | 23,448,860 |
| 1954-1955..... | 25,519,383 |
| 1955-1956..... | 28,351,483 |
| 1956-1957..... | 31,081,112 |
| 1957-1958..... | 25,854,262 |
| 1958-1959..... | 33,414,110 |
| 1959-1960..... | 41,682,125 |
| 1960-1961..... | 49,833,412 |
| 1961-1962..... | 43,194,863 |
| 1962-1963..... | 43,767,916 |
| TOTAL..... | 705,096,401 |

TREES SUPPLIED FOR PLANTING ON PRIVATE LANDS in years ending March 31st

| COUNTY OR DISTRICT | 1958 | 1959 | 1960 | 1961 | 1962 | 1963 | 1953-63 |
|--------------------|-----------|---------|---------|---------|---------|---------|-----------|
| Algoma..... | 316,525 | 387,525 | 426,425 | 281,950 | 221,525 | 266,075 | 2,840,625 |
| Brant..... | 105,775 | 120,350 | 161,450 | 140,425 | 130,050 | 99,650 | 1,515,275 |
| Bruce..... | 162,100 | 165,675 | 143,050 | 156,400 | 148,575 | 94,800 | 1,571,440 |
| Carleton..... | 157,175 | 180,500 | 148,275 | 145,125 | 290,925 | 223,750 | 1,639,400 |
| Cochrane..... | 8,200 | 8,200 | 17,800 | 54,550 | 59,350 | 60,450 | 250,500 |
| Dufferin..... | 594,375 | 784,725 | 471,000 | 877,600 | 425,725 | 430,525 | 6,668,275 |
| Dundas..... | 43,225 | 24,050 | 52,925 | 86,425 | 58,875 | 39,600 | 466,025 |
| Durham..... | 1,078,025 | 692,400 | 729,450 | 544,475 | 257,675 | 240,750 | 9,224,750 |
| Elgin..... | 125,775 | 117,275 | 146,875 | 220,425 | 96,225 | 135,450 | 1,743,400 |
| Essex..... | 34,650 | 44,500 | 73,300 | 56,325 | 26,300 | 38,525 | 492,000 |
| Frontenac..... | 76,500 | 117,925 | 171,025 | 138,200 | 146,325 | 128,950 | 1,062,925 |
| Glengarry..... | 12,825 | 86,675 | 43,400 | 78,900 | 75,525 | 61,775 | 425,500 |
| Grenville..... | 62,650 | 79,550 | 133,925 | 217,575 | 189,800 | 169,000 | 1,132,075 |
| Grey..... | 590,375 | 695,150 | 753,825 | 710,825 | 365,625 | 352,675 | 5,825,330 |
| Haldimand..... | 25,000 | 50,425 | 84,025 | 111,625 | 106,725 | 58,075 | 692,525 |
| Haliburton..... | 174,525 | 166,200 | 147,300 | 119,050 | 139,450 | 114,950 | 1,388,650 |
| Halton..... | 150,650 | 209,175 | 200,200 | 241,125 | 148,625 | 153,150 | 2,239,175 |
| Hastings..... | 301,425 | 327,725 | 446,000 | 433,125 | 305,900 | 389,750 | 3,582,600 |
| Huron..... | 252,175 | 256,850 | 250,750 | 276,025 | 201,250 | 205,950 | 2,640,995 |
| Kenora..... | 8,100 | 12,950 | 8,625 | 13,975 | 34,850 | 42,950 | 173,025 |
| Kent..... | 70,575 | 108,600 | 105,825 | 75,650 | 49,675 | 33,875 | 916,850 |
| Lambton..... | 118,950 | 111,000 | 161,375 | 134,175 | 134,225 | 96,075 | 1,398,100 |
| Lanark..... | 178,950 | 203,800 | 212,825 | 179,625 | 125,400 | 146,225 | 1,666,400 |
| Leeds..... | 44,900 | 74,050 | 93,900 | 123,050 | 105,250 | 73,400 | 778,525 |
| Lennox & Addington | 126,400 | 120,750 | 172,325 | 92,825 | 96,325 | 107,975 | 1,009,800 |

| | | | | | | | |
|--------------------|------------|------------|------------|------------|------------|-----------|-------------|
| Linceln..... | 32,800 | 71,900 | 57,025 | 28,925 | 79,150 | 53,050 | 523,900 |
| Maniteulin..... | 151,300 | 59,700 | 61,325 | 50,375 | 68,600 | 29,600 | 1,082,125 |
| Middlesex..... | 135,825 | 174,450 | 147,100 | 301,125 | 494,425 | 287,625 | 2,405,650 |
| Muskoka..... | 511,700 | 422,375 | 483,475 | 288,150 | 271,775 | 199,850 | 4,626,600 |
| Nipissing..... | 205,975 | 139,800 | 149,250 | 91,175 | 90,975 | 59,725 | 1,465,300 |
| Norfolk..... | 287,100 | 282,775 | 312,200 | 317,125 | 289,150 | 273,050 | 2,809,750 |
| Northumberland.... | 269,275 | 279,650 | 317,650 | 255,550 | 354,675 | 131,900 | 3,302,050 |
| Ontario..... | 528,075 | 548,225 | 675,075 | 652,550 | 468,675 | 459,625 | 5,660,325 |
| Oxford..... | 102,700 | 179,450 | 146,925 | 119,625 | 146,750 | 101,125 | 1,584,050 |
| Parry Sound..... | 771,325 | 722,275 | 556,375 | 450,600 | 339,300 | 280,225 | 6,686,625 |
| Peel..... | 349,175 | 510,475 | 353,275 | 414,050 | 602,925 | 503,725 | 4,253,125 |
| Perth..... | 47,500 | 81,850 | 157,150 | 53,550 | 46,625 | 64,000 | 913,425 |
| Peterborough..... | 212,250 | 196,690 | 162,725 | 123,700 | 128,675 | 120,700 | 1,935,015 |
| Prescott..... | 53,800 | 93,300 | 75,500 | 747,025 | 221,025 | 170,425 | 1,561,375 |
| Prince Edward..... | 9,675 | 18,600 | 21,350 | 51,525 | 37,325 | 24,075 | 243,775 |
| Rainy River..... | 20,100 | 154,925 | 179,700 | 140,425 | 146,000 | 92,800 | 783,050 |
| Renfrew..... | 324,100 | 346,875 | 386,675 | 389,875 | 458,150 | 391,550 | 3,457,875 |
| Russell..... | 54,150 | 38,825 | 150,400 | 165,875 | 78,700 | 5,200 | 599,200 |
| Simcoe..... | 1,710,525 | 1,312,420 | 1,444,225 | 1,085,925 | 821,350 | 616,525 | 15,265,745 |
| Stormont..... | 9,000 | 19,250 | 29,800 | 115,225 | 51,375 | 91,600 | 397,575 |
| Sudbury..... | 89,250 | 182,200 | 111,425 | 169,700 | 121,875 | 134,775 | 1,153,825 |
| Thunder Bay..... | 175,850 | 240,200 | 254,850 | 271,075 | 315,975 | 188,750 | 2,279,825 |
| Timiskaming..... | 47,525 | 9,300 | 23,450 | 17,700 | 28,075 | 14,600 | 243,350 |
| Victoria..... | 188,974 | 130,075 | 168,175 | 129,800 | 138,450 | 135,600 | 1,845,500 |
| Waterloo..... | 196,075 | 258,825 | 248,525 | 176,975 | 181,650 | 201,200 | 2,221,700 |
| Welland..... | 93,375 | 131,350 | 138,550 | 134,175 | 227,275 | 205,975 | 1,498,050 |
| Wellington..... | 485,950 | 339,550 | 525,100 | 224,800 | 299,850 | 197,650 | 4,185,225 |
| Wentworth..... | 198,650 | 263,925 | 348,650 | 315,700 | 257,825 | 205,350 | 2,691,475 |
| York..... | 441,275 | 638,005 | 785,325 | 916,300 | 799,000 | 592,675 | 6,912,005 |
| TOTAL... | 12,523,099 | 12,986,865 | 13,809,125 | 13,708,050 | 11,505,775 | 9,597,300 | 133,553,630 |



SILVICULTURE SECTION

The first requirement of sound forest management is to become thoroughly familiar with all the details of the forest property. The Province is now in its third inventory program.

The first series of systematic surveys were begun in 1919 and continued annually until 1929. Their purpose was to provide volumetric data for the sales of areas suitable for pulpwood production, and to obtain information for the formulation of broad forest policies. The technique of obtaining forest inventory data from aerial photographs was started in 1926.

A survey of the exploitable forest resources was begun in 1946 and completed in 1957 with the making of approximately 203,500 prints from aerial photographs covering 284,906 square miles. The purpose was to provide a uniform and reliable base map and volumetric data to implement the aims of sustained yield management.



The purpose of the third stage is to update basic forest information and to provide more precise knowledge for areas where intensive management is possible. By the end of 1963 approximately 112,000 square miles had been rephotographed. Detailed forest stand data have been obtained on 21,121 square miles.

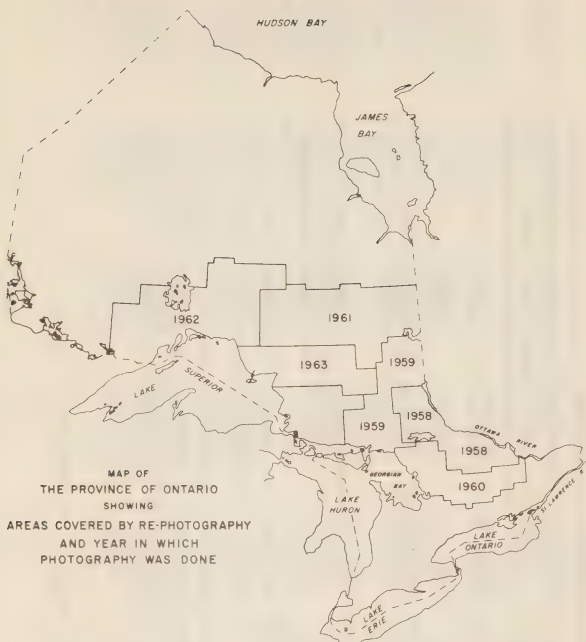
With accurate forest data for Crown Management Units, it is possible to prepare plans for the organization and orderly utilization of the forest- a more intensive level of management than previously was possible. In addition to determining the allowable cut by species, the plans also state the specific locations from which the annual cuts will be taken. By working in ten-, and twenty-year periods, a licensee can be shown and assured of his future wood supplies.



The plans of Company Management Units are prepared by the company from its own data. The Department checks the area and volume calculations and, when satisfied, recommends the acceptance of the plans.

The program of tree planting, seeding, and stand improvement is to maintain the productivity of Crown lands. Thus, a good deal of the work is on cut-over and burned lands to have these areas regenerated to desirable species as soon as possible. The planting of former agricultural lands and cut-over woodlots acquired under the Agreement Forest program is increasing.

The silviculture program includes tree planting, direct seeding (both from air rising helicopters and on the ground, using various seeding devices), thinning of young stands, pruning selected crop trees, girdling or poisoning of unwanted trees, and aerial spraying of stands to release young trees.



MANAGEMENT UNITS as of March 31st

| Year | COMPANY | | CROWN | | TOTAL | |
|------|---------|---------|-------|---------|-------|---------|
| | No. | Sq. Mi. | No. | Sq. Mi. | No. | Sq. Mi. |
| 1954 | 36 | ..... | 87 | ..... | 123 | ..... |
| 1955 | 36 | ..... | 81 | ..... | 117 | ..... |
| 1956 | 39 | 78,382 | 82 | ..... | 121 | ..... |
| 1957 | 41 | 78,837 | 80 | 129,551 | 121 | 208,388 |
| 1958 | 43 | 85,034 | 81 | 125,397 | 124 | 210,431 |
| 1959 | 48 | 89,754 | 77 | 120,165 | 125 | 210,919 |
| 1960 | 101 | 100,408 | 72 | 83,294 | 173 | 183,702 |
| 1961 | 79 | 96,983 | 76 | 83,900 | 155 | 180,883 |
| 1962 | 79 | 99,987 | 78 | 84,108 | 157 | 184,095 |
| 1963 | 77 | 97,342 | 79 | 85,216 | 156 | 182,558 |

STAND IMPROVEMENT ON CROWN LANDS. - Acreage treated in years ending March 31st

| Operations | 1957 | 1958 | 1959 | 1960 | 1961 | 1962 | 1963 |
|--|--------|--------|--------|--------|--------|--------|--------------|
| Scarification and other site preparation | 8,709 | 6,704 | 9,000 | 8,824 | 4,247 | 1,035 | 2,307 |
| Scarification with cone scattering or seeding | ... | ... | ... | ... | ... | 2,263 | 1,211 |
| Cleaning and clearing | 3,254 | 6,980 | 2,507 | 1,745 | 5,208 | 12,053 | 6,768 |
| Brush Control | 1,038 | 4,057 | 8,562 | 179 | 39 | 3,906 | 2,595 |
| Prescribed Burning | ... | ... | ... | ... | ... | ... | 66 |
| Thinning | 785 | 2,225 | 550 | 225 | 1,158 | 583 | 2,286 |
| Pruning | ... | ... | ... | 76 | 4,080 | 4,870 | 3,111 |
| Xmas Tree Culture | ... | ... | ... | ... | 706 | 509 | Discontinued |
| Improvement Cutting | 1,776 | 1,510 | ... | ... | 2,525 | 2,810 | 1,496 |
| Girdling, Frilling and Poisoning | ... | ... | ... | 772 | 2,912 | 2,754 | 3,182 |
| Tree Marking | 2,630 | ... | ... | ... | 3,328 | ... | 7,465 |
| Harvest Cutting | ... | ... | ... | 406 | 425 | 1,498 | 1,824 |
| TOTAL | 18,192 | 21,476 | 20,619 | 12,227 | 24,628 | 32,281 | 32,311 |

TREES PLANTED ON CROWN LANDS in years ending March 31st

| DISTRICT | 1958 | 1959 | 1960 | 1961 | 1962 | 1963 | 1953-63 |
|--------------------|-----------|------------|------------|------------|------------|------------|-------------|
| Aylmer..... | 188,177 | 828,616 | 70,598 | 97,633 | 104,458 | 145,362 | 1,759,762 |
| Chapleau..... | 789,600 | 1,751,000 | 3,037,004 | 3,568,850 | 2,691,850 | 3,538,120 | 17,180,614 |
| Cochrane..... | 525,118 | 1,028,400 | 1,176,842 | 2,077,248 | 1,547,250 | 1,786,000 | 10,053,220 |
| Fort Frances..... | 629,800 | 675,715 | 555,939 | 993,000 | 418,946 | 1,204,100 | 5,181,300 |
| Geraldton..... | 363,180 | 623,015 | 1,112,500 | 1,816,450 | 1,144,650 | 1,851,785 | 7,306,405 |
| Gogama..... | 400,000 | 1,000,250 | 2,875,000 | 3,283,400 | 3,695,525 | 4,210,925 | 12,925,397 |
| Hespeler..... | 40,210 | 19,460 | 7,015 | 53,950 | 15,025 | 51,000 | 352,085 |
| Kapuskasing..... | 461,100 | 884,100 | 1,237,600 | 1,308,759 | 1,214,400 | 1,216,275 | 7,398,559 |
| Kemptville..... | 12,192 | 54,505 | 104,967 | 170,077 | 114,406 | 73,295 | 892,678 |
| Kenora..... | 243,600 | 383,760 | 453,800 | 518,612 | 479,206 | 369,900 | 2,923,028 |
| Lindsay..... | 709,165 | 500,000 | 694,397 | 829,392 | 606,987 | 489,700 | 5,865,060 |
| Maple..... | 205,713 | 510,813 | 468,273 | 504,163 | 580,445 | 263,293 | 4,264,954 |
| North Bay..... | 196,025 | 322,077 | 703,111 | 1,051,694 | 828,806 | 643,000 | 4,596,628 |
| Parry Sound..... | 672,984 | 918,200 | 908,050 | 1,142,080 | 599,111 | 545,165 | 9,245,714 |
| Pembroke..... | 598,965 | 991,948 | 771,835 | 1,139,875 | 1,260,236 | 1,207,022 | 9,761,106 |
| Port Arthur..... | 1,036,628 | 796,700 | 953,600 | 1,960,575 | 1,702,275 | 1,491,800 | 9,565,299 |
| Sault Ste. Marie.. | 854,840 | 1,747,117 | 2,760,000 | 3,534,145 | 3,682,390 | 3,828,956 | 20,694,920 |
| Sioux Lookout.... | 120,000 | 150,000 | 225,796 | 300,000 | 211,700 | 141,200 | 1,341,396 |
| Sudbury..... | 305,217 | 533,415 | 1,643,147 | 2,374,314 | 1,840,889 | 1,890,525 | 9,406,236 |
| Swastika..... | 747,105 | 991,110 | 1,402,721 | 1,925,343 | 2,124,903 | 2,246,795 | 11,090,347 |
| Tweed..... | 486,924 | 882,000 | 1,075,653 | 1,268,600 | 938,010 | 912,000 | 7,766,796 |
| White River..... | 209,625 | 455,000 | 1,130,000 | 1,575,125 | 699,050 | 905,500 | 5,112,285 |
| Toronto..... | 5,863 | 23,997 | ..... | ..... | ..... | ..... | ..... |
| Ranger School.... | 10,100 | 9,500 | 23,000 | ..... | ..... | ..... | ..... |
| Unclassified..... | ..... | ..... | 57,270 | 71,323 | 102,552 | 79,303 | ..... |
| TOTAL..... | 9,812,131 | 16,080,698 | 23,448,118 | 31,564,608 | 26,602,720 | 29,091,021 | 168,090,477 |
| Acres Planted..... | ..... | ..... | 43,137 | 54,875 | ..... | ..... | ..... |

TREES PLANTED ON FORESTS MANAGED BY THE MINISTER in years ending March 31st

| CONSERVATION AUTHORITY | 1958 | 1959 | 1960 | 1961 | 1962 | 1963 | 1953-63 |
|----------------------------------|---------|-----------|-----------|-----------|-----------|-----------|------------|
| Ausable River..... | 159,900 | 93,000 | 284,200 | 254,360 | 270,500 | 442,500 | 1,852,385 |
| Big Creek Region.. | 20,600 | 14,000 | 25,800 | 22,600 | 23,500 | 115,300 | 356,275 |
| Catfish Creek | ..... | ..... | ..... | ..... | ..... | 32,500 | 32,500 |
| Central Lake Ontario | ..... | ..... | ..... | ..... | ..... | 69,000 | 69,000 |
| Ganaraska River... | 209,000 | 190,250 | 257,950 | 376,500 | 273,500 | 343,000 | 2,873,780 |
| Grand Valley..... | 193,050 | 388,600 | 230,950 | 502,250 | 392,400 | 250,300 | 2,362,050 |
| Metro Toronto & Region | 44,700 | 73,000 | 22,000 | 139,750 | 120,300 | 67,000 | 996,025 |
| Middle Maitland... | 37,800 | 14,000 | 20,000 | 62,500 | 13,000 | 8,400 | 181,405 |
| Moirs River..... | 99,400 | 100,000 | 96,200 | 175,200 | 242,500 | 217,000 | 1,015,745 |
| Napanee Valley.... | ..... | ..... | ..... | ..... | ..... | 30,000 | 50,000 |
| Neebing Valley.... | ..... | 1,500 | 11,500 | 60,000 | 80,000 | 40,000 | 193,000 |
| North Grey Region. | ..... | 75,000 | 94,800 | 169,000 | 214,700 | 172,170 | 725,670 |
| Otter Creek..... | ..... | ..... | 3,200 | 13,000 | 6,000 | 1,000 | 23,200 |
| Sauble Valley..... | ..... | ..... | ..... | 94,000 | 9,000 | ..... | 103,000 |
| Saugeen Valley.... | 100,000 | 287,600 | 200,300 | 137,500 | 423,600 | 115,850 | 1,836,600 |
| South Nation River | ..... | ..... | ..... | ..... | 125,000 | 21,000 | 146,000 |
| Upper Thames River | 56,000 | 71,850 | 21,600 | ..... | 70,100 | 40,000 | 721,650 |
| SUB-TOTAL..... | 920,450 | 1,308,800 | 1,268,500 | 2,027,260 | 2,263,900 | 1,965,020 | 13,737,885 |
| TOWNSHIP | | | | | | | |
| Bonfield..... | ..... | ..... | ..... | ..... | ..... | ..... | 62,500 |
| Chapple..... | ..... | 10,175 | 41,200 | ..... | ..... | ..... | 51,375 |
| Charlottenburgh... | ..... | ..... | ..... | 25,000 | ..... | ..... | 35,250 |
| Cumberland..... | 25,000 | ..... | ..... | ..... | ..... | ..... | 129,000 |
| Emo..... | ..... | 9,725 | ..... | ..... | ..... | ..... | 9,725 |
| Galway, Cavendish. | ..... | ..... | 18,775 | 12,025 | ..... | ..... | 95,775 |
| Mariborough..... | 58,900 | ..... | 27,000 | 4,475 | 17,000 | 90,550 | 401,825 |
| Torbolton..... | 32,000 | 10,000 | 50,500 | ..... | 50,500 | 62,000 | 594,125 |
| SUB-TOTAL..... | 115,900 | 29,900 | 137,475 | 41,500 | 67,500 | 152,550 | 1,391,600 |
| National Capital Commission..... | ..... | ..... | ..... | ..... | 150,000 | 721,080 | 871,080 |

| COUNTY | 1900 | 1910 | 1920 | 1930 | 1940 | 1950 | 1960 | 1970 | 1980 | 1990 | 2000 | 2010 | 2020 |
|--|------------|------------|------------|------------|------------|------------|-------------|------|------|------|------|------|------|
| Brant..... | 70,000 | 70,700 | 87,000 | 99,000 | 140,700 | 19,500 | 11,950 | | | | | | |
| Bruce..... | 1,500 | 10,000 | 33,500 | 1,500 | 3,000 | 12,600 | 1,363,400 | | | | | | |
| Dufferin..... | 232,500 | 184,200 | 182,799 | 40,500 | 213,300 | 69,480 | 1,33,500 | | | | | | |
| Grey..... | 12,800 | 14,000 | 26,500 | 4,500 | 38,700 | 21,650 | 1,929,029 | | | | | | |
| Halton..... | 59,000 | 114,100 | 72,000 | 85,700 | 88,510 | 31,100 | 234,600 | | | | | | |
| Huron..... | ..... | ..... | ..... | ..... | ..... | ..... | 547,930 | | | | | | |
| Kent..... | ..... | ..... | ..... | ..... | ..... | ..... | 26,200 | | | | | | |
| Lanark..... | ..... | ..... | ..... | ..... | ..... | ..... | 418,775 | | | | | | |
| Leeds & Grenville..... | 195,600 | 225,300 | 336,000 | 102,000 | 146,700 | 152,000 | 1,981,750 | | | | | | |
| Lennox & Addington..... | ..... | ..... | ..... | 12,800 | 20,500 | 114,000 | 291,225 | | | | | | |
| Middlesex..... | ..... | 48,000 | 19,350 | 8,000 | 20,500 | 30,500 | 204,800 | | | | | | |
| Northumberland and Durham..... | 66,000 | 96,750 | 61,050 | 94,500 | 136,200 | 172,000 | 1,408,513 | | | | | | |
| Ontario..... | 17,100 | 9,000 | 84,500 | 12,000 | 100,600 | 3,500 | 267,350 | | | | | | |
| Oxford..... | ..... | 8,000 | 27,000 | 44,000 | 25,100 | 10,000 | 184,350 | | | | | | |
| Prescott & Russell..... | 956,613 | 1,132,590 | 1,093,930 | 767,600 | 239,500 | 315,800 | 9,393,586 | | | | | | |
| Renfrew..... | 24,000 | 18,000 | ..... | 40,000 | 380,000 | 283,000 | 842,100 | | | | | | |
| Simcoe..... | 333,400 | 499,200 | 345,500 | 193,500 | 433,000 | 349,400 | 3,587,925 | | | | | | |
| Stormont, Dundas and Glengarry..... | 10,000 | ..... | 66,000 | 105,000 | 196,500 | 78,000 | 988,025 | | | | | | |
| Victoria..... | 129,247 | 193,000 | 138,225 | 85,475 | 219,250 | 185,000 | 1,149,297 | | | | | | |
| Waterloo..... | 13,500 | 19,500 | 95,000 | ..... | 7,250 | 11,500 | 345,850 | | | | | | |
| Wentworth..... | 86,500 | 127,600 | ..... | 55,700 | 12,000 | 12,000 | 726,400 | | | | | | |
| York..... | 23,200 | 1,000 | 18,500 | 74,250 | 126,800 | 38,500 | 552,550 | | | | | | |
| SUB-TOTAL..... | 2,230,960 | 2,770,940 | 2,708,154 | 1,997,025 | 2,582,460 | 2,028,780 | 26,637,405 | | | | | | |
| TOTAL..... | 3,267,310 | 4,109,640 | 4,114,129 | 4,065,785 | 5,063,860 | 4,867,430 | 42,637,970 | | | | | | |
| Total Number of Trees Planted by Department . | 13,079,441 | 20,190,338 | 27,562,247 | 35,630,393 | 31,666,580 | 33,958,451 | 210,728,447 | | | | | | |

FOREST AREAS MANAGED BY THE MINISTER

| COUNTY | Date of Agreement | Acreage March 31st 1963 |
|-------------------------------------|-------------------|-------------------------------|
| Brant | 15 Nov., 1952 | 50.00 |
| Bruce | 20 Jan., 1950 | 14,656.35 |
| Dufferin | 28 Nov., 1930 | 2,042.00 |
| Grey | 21 Dec., 1937 | 7,978.08 |
| Halton | 14 Mar., 1950 | 1,245.63 |
| Huron | 27 Nov., 1950 | 1,339.00 |
| Kent | 23 Dec., 1953 | 75.39 |
| Lanark | 5 July, 1940 | 3,246.00 |
| Leeds & Grenville | 24 April, 1940 | 6,064.50 |
| Lennox & Addington | 3 April, 1952 | 1,186.00 |
| Middlesex | 8 Mar., 1954 | 569.50 |
| Northumberland & Durham | 10 June, 1954 | 4,877.00 |
| Ontario | 9 July, 1930 | 1,900.00 |
| Oxford | 1 Sept., 1950 | 716.56 |
| Prescott & Russell | 15 Mar., 1937 | 23,485.83 |
| Renfrew | 26 Dec., 1951 | 2,938.00 |
| Simcoe | 19 June, 1925 | 17,446.69 |
| Stormont, Dundas & Glengarry | 29 Sept., 1949 | 2,048.45 |
| Victoria | 10 Aug., 1928 | 7,044.00 |
| Waterloo | 17 April, 1950 | 710.48 |
| Wentworth | 27 Nov., 1952 | 889.30 |
| York | 27 Mar., 1924 | 3,917.08 |
| Sub-Total | | 104,425.84 |
| TOWNSHIP | | |
| Bonfield | 1 April, 1952 | 60.00 |
| Charlottenburgh | 1 April, 1955 | 175.00 |
| Cumberland | 29 May, 1952 | 808.44 |
| Galway and Cavendish | 1 Nov., 1952 | 100.00 |
| Marlborough | 21 Sept., 1953 | 200.00 |
| Torbolton | 28 Mar., 1953 | 430.80 |
| Williamsburg | 19 Oct., 1962 | 400.00 |
| Sub-Total | | 2,174.24 |
| CONSERVATION AUTHORITY | | |
| Ausable River | 13 Dec., 1951 | 3,969.00 |
| Big Creek Region | 2 Dec., 1954 | 2,347.90 |
| Catfish Creek | 19 Dec., 1962 | 75.00 |
| Canaraska River | 31 Jan., 1947 | 7,898.60 |
| Grand Valley | 18 Mar., 1952 | 5,083.06 |
| Metropolitan Toronto & Region | 11 April, 1951 | 1,672.00 |
| Middle Maitland Valley | 1 April, 1955 | 466.00 |
| Moirs River | 28 Nov., 1951 | 11,426.00 |
| Napanee Valley | 28 Oct., 1954 | 5,669.00 |
| Neebing Valley | 15 May, 1958 | 1,256.70 |
| North Grey Region | 25 June, 1958 | 4,499.00 |
| Otter Creek | 26 April, 1957 | 1,094.00 |
| Sauble Valley | 23 Sept., 1959 | 1,580.00 |
| Saugeen Valley | 15 Dec., 1952 | 10,429.00 |
| South Nation River | 28 Mar., 1960 | 140.00 |
| Spencer Creek | 19 Oct., 1962 | 12.50 |
| Upper Thames River | 11 April, 1951 | 3,304.36 |
| Sub-Total | | 60,922.12 |
| TOTAL | | 167,522.20 |

NEW POLICIES

TIMBER SECTION

Timber Section is responsible for the marketing of Crown timber through a licensing system designed to utilize merchantable timber of all species. Sales are carried out under three types of licences:

- (1) "District Cutting Licences"- small short-term sales which are administered entirely within a particular District.
- (2) "Licences to Cut Crown Timber"- this is the most common type of tendered sale; it runs for an average of three years.
- (3) "Licences to Cut Crown Timber approved by Order-in-Council"- these are usually long-term licences of up to 21 years, such as those which are negotiated with companies that have established production facilities.

Timber Section is responsible for the issuance of licences to scalers (who have successfully passed an examination) to measure Crown timber and make scale returns for the collection of Crown Stumpage charges.

Timber Section compiles statistics on the production of forest products from Crown land by species. It maintains a directory of the primary wood-using industries in Ontario. Through District offices, it receives a return of the volume of forest products produced by each mill.

Other specific duties include the preparation of reports on the opportunities for additional forest industry in certain localities in co-operation with other Provincial Departments and the Federal Government.

TIMBER LICENCES as of March 31st (Areas in square miles)

| Year | Number of Licences | Area Under Section 2 | Area Under Section 3 | Area Under Section 4 | Total Area Licensed |
|------|-----------------------|----------------------------|----------------------------|----------------------------|---------------------------|
| 1955 | 731 | 6,435.50 | 85,075.40 | 21.10 | 91,532.00 |
| 1956 | 748 | 6,140.05 | 88,273.71 | 170.26 | 94,585.02 |
| 1957 | 604 | 5,600.65 | 89,952.49 | 200.94 | 95,754.08 |
| 1958 | 586 | 5,354.80 | 98,149.46 | 181.33 | 103,685.59 |
| 1959 | 569 | 4,520.62 | 99,612.16 | 199.90 | 104,332.68 |
| 1960 | 573 | 4,206.22 | 99,818.60 | 186.98 | 104,211.80 |
| 1961 | 569 | 3,647.71 | 99,103.39 | 137.79 | 102,888.89 |
| 1962 | 569 | 3,563.07 | 99,347.87 | 154.26 | 103,065.20 |
| 1963 | 581 | 3,102.08 | 97,830.82 | 152.36 | 101,085.26 |

MILLS LICENSED as of March 31st

| Year | Saw Mills (Daily Capacity in 000's fbm) | | | Pulp | Ven- eer | Spec- ialty | Total |
|------|--|-------|-------|------|-------------|----------------|-------|
| | to 10 | 10-50 | 50 up | | | | |
| 1955 | 1,120 | 159 | 58 | 29 | .. | .. | 1,366 |
| 1956 | 1,115 | 162 | 59 | 29 | .. | .. | 1,365 |
| 1957 | 1,120 | 160 | 57 | 29 | .. | .. | 1,366 |
| 1958 | 1,124 | 158 | 57 | 29 | .. | .. | 1,368 |
| 1959 | 1,120 | 135 | 54 | 29 | .. | .. | 1,338 |
| 1960 | 646 | 129 | 23 | 24 | .. | .. | 822 |
| 1961 | 668 | 121 | 27 | 24 | .. | .. | 840 |
| 1962 | 797 | 118 | 36 | 24 | 23 | 87 | 1,085 |
| 1963 | 774 | 129 | 31 | 27 | 24 | 76 | 1,061 |

VOLUME OF WOOD CUT BY SPECIES — 000's cubic feet in years ending March 31st

| SPECIES | 1946 | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 |
|------------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| SOFTWOODS | | | | | | | | | | |
| Balsam..... | 15,146 | 11,563 | 15,003 | 13,802 | 9,418 | 12,547 | 16,057 | 11,860 | 13,223 | 14,093 |
| Cedar..... | 77 | 139 | 180 | 126 | 127 | 96 | 234 | 197 | 97 | 738 |
| Hemlock..... | 5,462 | 5,731 | 5,272 | 6,299 | 5,753 | 6,679 | 8,933 | 5,808 | 4,368 | 3,872 |
| Jack Pine..... | 62,712 | 78,964 | 85,545 | 81,862 | 58,175 | 85,604 | 108,859 | 81,644 | 75,488 | 81,779 |
| R and W Pine.. | 30,550 | 25,614 | 26,315 | 30,459 | 25,586 | 30,605 | 34,334 | 34,562 | 27,612 | 30,528 |
| Spruce..... | 193,286 | 188,645 | 208,678 | 174,652 | 134,310 | 207,318 | 251,831 | 155,873 | 163,447 | 175,666 |
| Tamarack..... | 7 | 4 | 7 | 16 | 10 | 7 | 10 | 12 | 16 | 25 |
| Fuelwood..... | 944 | 1,185 | 1,951 | 1,546 | 719 | 673 | 4,677 | 3,396 | 2,354 | 3,001 |
| Others..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 22 |
| HARDWOODS | | | | | | | | | | |
| Birch..... | 3,214 | 4,092 | 4,764 | 5,541 | 6,303 | 6,679 | 7,892 | 8,623 | 8,589 | 7,506 |
| Maple..... | 1,527 | 1,797 | 2,053 | 2,499 | 1,976 | 2,361 | 3,592 | 3,043 | 2,207 | 2,265 |
| Poplar..... | 6,087 | 14,190 | 11,576 | 13,653 | 6,036 | 12,478 | 22,049 | 14,272 | 15,756 | 12,955 |
| Fuelwood..... | 836 | 1,020 | 1,652 | 1,054 | 1,166 | 568 | 1,530 | 1,577 | 1,293 | 1,802 |
| Others..... | 964 | 580 | 1,755 | 1,061 | 1,148 | 1,145 | 1,335 | 968 | 691 | 552 |
| TOTALS | | | | | | | | | | |
| Softwoods..... | 308,184 | 311,845 | 342,951 | 308,761 | 234,098 | 343,530 | 424,936 | 293,352 | 286,605 | 309,724 |
| Hardwoods..... | 12,628 | 21,679 | 21,780 | 23,807 | 16,628 | 23,231 | 36,398 | 28,483 | 28,536 | 25,081 |
| All Species... | 320,812 | 333,524 | 364,751 | 332,568 | 250,727 | 366,761 | 461,334 | 321,835 | 315,141 | 334,806 |
| Total Value... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 10,428 | 10,756 | 11,473 |
| (\$000's export levy not included) | | | | | | | | | | |

VOLUME OF WOOD CUT BY SPECIES — 000's cubic feet in years ending March 31st

| SPECIES | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 | 1962 |
|-------------------------------------|---------|---------|---------|---------|---------|---------|---------|
| SOFTWOODS | | | | | | | |
| Balsam..... | 14,374 | 13,766 | 12,213 | 10,988 | 13,051 | 4,766 | 12,316 |
| Cedar..... | 459 | 284 | 711 | 280 | 268 | 331 | 341 |
| Hemlock..... | 5,321 | 5,050 | 2,567 | 3,046 | 3,768 | 2,780 | 2,429 |
| Jack Pine..... | 86,664 | 99,997 | 78,225 | 68,415 | 78,243 | 76,857 | 70,903 |
| Red Pine..... | 8,070 | 6,150 | 4,989 | 3,581 | 6,188 | 5,037 | 5,291 |
| White Pine..... | 25,609 | 26,171 | 20,249 | 18,025 | 22,300 | 19,150 | 17,606 |
| Spruce..... | 205,320 | 207,392 | 180,006 | 157,544 | 186,920 | 191,047 | 178,063 |
| Tamarack..... | 102 | 56 | 64 | 25 | 26 | 75 | 36 |
| Xmas Trees.... | 32 | 22 | 8 | 11 | 3 | 1 | 1 |
| Fuelwood..... | 2,401 | 2,536 | 2,359 | 2,338 | 1,525 | 1,476 | 905 |
| HARDWOODS | | | | | | | |
| Ash..... | 42 | 46 | 72 | 63 | 83 | 109 | 65 |
| Basswood..... | 434 | 295 | 274 | 319 | 365 | 469 | 359 |
| Beech..... | 138 | 160 | 136 | 131 | 273 | 385 | 175 |
| White Birch... | 447 | 1,314 | 1,458 | 1,339 | 1,426 | 1,784 | 1,754 |
| Yellow Birch.. | 6,990 | 6,312 | 7,173 | 6,165 | 7,397 | 6,972 | 6,925 |
| Butternut..... | ... | † | † | † | 1 | 2 | 2 |
| Cherry..... | 14 | 18 | 12 | 15 | 27 | 26 | 20 |
| Elm..... | 194 | 160 | 192 | 196 | 256 | 261 | 274 |
| Maple..... | 4,441 | 3,989 | 4,261 | 3,639 | 4,851 | 5,787 | 5,212 |
| Oak..... | 103 | 109 | 133 | 127 | 177 | 239 | 207 |
| Poplar..... | 16,921 | 19,244 | 20,205 | 17,729 | 19,773 | 18,356 | 21,256 |
| Fuelwood..... | 1,813 | 1,982 | 1,532 | 1,630 | 1,219 | 1,202 | 1,186 |
| TOTALS | | | | | | | |
| Softwoods..... | 348,352 | 361,424 | 301,390 | 264,253 | 312,292 | 311,519 | 287,894 |
| Hardwoods..... | 31,536 | 33,630 | 35,448 | 31,355 | 35,847 | 35,593 | 37,707 |
| All Species... | 379,888 | 395,054 | 336,838 | 295,608 | 348,140 | 347,112 | 325,601 |
| Total Value... | 12,039 | 13,363 | 11,412 | 10,155 | 12,175 | 12,048 | 11,229 |
| (\$000's, export levy not included) | | | | | | | |

VOLUME OF WOOD CUT in 000's cubic feet and \$000's in year ending March 31st, 1962

| DISTRICT | Permits Issued | Ontario Scalefbm | *Boom Timber | Pulpwood | Fuel Wood | ** Misc. | Total Volume | #Xmas Trees | Dues | Bonus | Stumpage Value |
|------------------|----------------|------------------|--------------|----------|-----------|----------|--------------|-------------|--------|-------|----------------|
| Chapleau..... | 122 | 1,323 | 7,113 | 6,959 | 55 | - | 15,471 | - | \$ 373 | \$ 72 | \$ 445 |
| Cochrane..... | 478 | 1,537 | 922 | 30,673 | 252 | 106 | 33,517 | 626 | 1,009 | 173 | 1,182 |
| Fort Francis... | 196 | 2,806 | 44 | 12,786 | 28 | 17 | 15,691 | 1,250 | 376 | 75 | 451 |
| Geraldton..... | 162 | - | 1,847 | 49,416 | 128 | 439 | 52,029 | 250 | 1,362 | 99 | 1,461 |
| Gogama..... | 49 | 5,786 | 2,070 | 4,805 | 133 | 170 | 12,973 | - | 324 | 60 | 384 |
| Kapuskasing... | 869 | 632 | 7,853 | 31,762 | 220 | 17 | 40,537 | - | 1,250 | 319 | 1,569 |
| Kemptville.... | - | - | 91 | 27 | - | - | 118 | - | 1 | 9 | 10 |
| Kenora..... | 331 | 54 | 803 | 25,340 | 30 | 35 | 26,313 | 50 | 765 | 102 | 868 |
| Lindsay..... | 36 | 2,088 | - | 202 | 27 | 6 | 2,342 | - | 51 | 40 | 91 |
| Maple | 5 | - | - | - | 2 | - | 2 | - | - | - | - |
| North Bay..... | 340 | 8,231 | - | 2,981 | 98 | 25 | 11,385 | - | 246 | 238 | 484 |
| Parry Sound... | 292 | 3,227 | - | 739 | 180 | 6 | 4,199 | - | 90 | 101 | 191 |
| Pembroke..... | 42 | 8,623 | - | 1,256 | 35 | - | 10,372 | - | 253 | 295 | 548 |
| Port Arthur.... | 377 | 145 | 2,192 | 30,754 | 45 | 166 | 33,557 | 50 | 956 | 176 | 1,132 |
| Sault Ste. Marie | 127 | 10,510 | 2 | 876 | 52 | 2 | 11,453 | - | 300 | 286 | 587 |
| Sioux Lookout . | 197 | 2,103 | 495 | 14,278 | 425 | 61 | 17,568 | - | 485 | 53 | 538 |
| Sudbury..... | 342 | 1,300 | 1,572 | 3,868 | 180 | 11 | 6,944 | - | 170 | 74 | 244 |
| Swastika..... | 344 | 5,145 | 2,608 | 4,295 | 136 | 598 | 12,800 | - | 287 | 172 | 459 |
| Tweed..... | 174 | 3,045 | 6 | 1,355 | 45 | 22 | 4,502 | - | 78 | 101 | 179 |
| White River... | 51 | - | 2,382 | 11,411 | 18 | 11 | 13,825 | - | 396 | 74 | 470 |

* Includes piling, poles, dimension timber; ** Includes posts, veneer bolts, mining timber and Doyle Rule;
Number of Trees.

TIMBER CUT IN ONTARIO in 000's Cubic Feet and \$ 000's in years ending March 31st

| Year | Permits Issued | Ontario Scale | Sawlogs | *Boom Timber | Pulpwood | Fuel Wood | (d) Misc. | Total Volume | †Xmas Trees | Dues | Bonus | Stumpage Value |
|------|----------------|---------------|---------|--------------|----------|-----------|-----------|--------------|-------------|---------|---------|----------------|
| 1954 | ..... | 46,025 | 12,119 | 851 | 225,659 | 3,647 | 26,840 | 315,141 | 27 | \$8,581 | \$2,175 | \$10,756 |
| 1955 | ..... | 61,493 | 12,029 | 2,378 | 245,988 | 4,804 | 8,114 | 334,806 | 43 | 9,135 | 2,523 | 11,658 |
| 1956 | 5,403 | 77,087 | 33,326 | 2,259 | 262,146 | 4,214 | 826 | 379,888 | 64 | 9,619 | 2,573 | 12,191 |
| 1957 | 5,192 | 73,986 | 22,967 | 2,781 | 289,985 | 4,517 | 858 | 395,054 | 45 | 10,740 | 2,774 | 13,514 |
| 1958 | 5,051 | 55,938 | 27,762 | 2,796 | 245,161 | 3,891 | 1,290 | 336,838 | 16 | 8,987 | 2,578 | 11,565 |
| 1959 | 5,421 | 51,470 | 28,687 | 2,644 | 207,003 | 3,968 | 1,836 | 295,608 | 23 | 7,950 | 2,346 | 10,297 |
| 1960 | 5,096 | 64,571 | 28,795 | 3,499 | 246,493 | 2,744 | 2,038 | 348,140 | 6 | 9,493 | 2,789 | 12,282 |
| 1961 | 5,114 | 55,521 | 52,303 | 2,720 | 232,744 | 2,678 | 1,146 | 347,112 | 2 | 9,509 | 2,674 | 12,182 |
| 1962 | 4,534 | 56,558 | 30,001 | 1,474 | 233,782 | 2,091 | 1,695 | 325,601 | 1 | 8,775 | 2,522 | 11,297 |

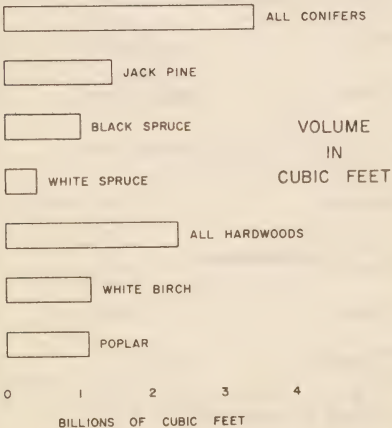
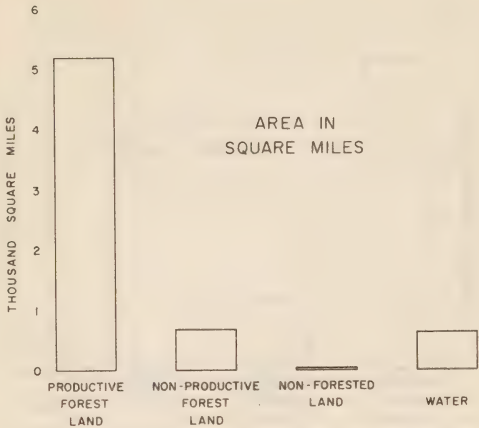
*Includes piling, poles, dimension timber.

†Number of trees in 000's.

(d)Includes Doyle Scale.

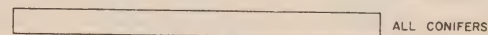
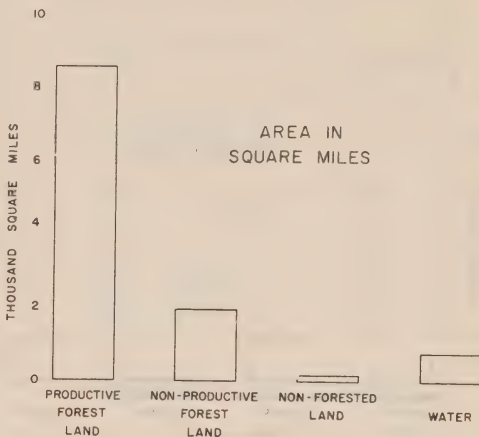
NEW POLICIES

CHAPLEAU DISTRICT



SOURCE : FOREST RESOURCES INVENTORY REPORT No. 12

COCHRANE DISTRICT



JACK PINE

VOLUME
IN
CUBIC FEET

WHITE SPRUCE

BLACK SPRUCE

BALSAM FIR

ALL HARDWOODS

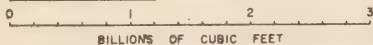
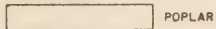
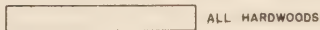
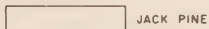
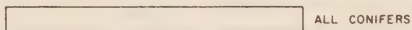
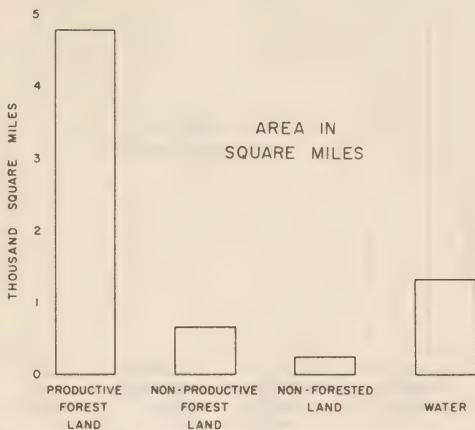
WHITE BIRCH

POPLAR

0 2 4 6
BILLIONS OF CUBIC FEET

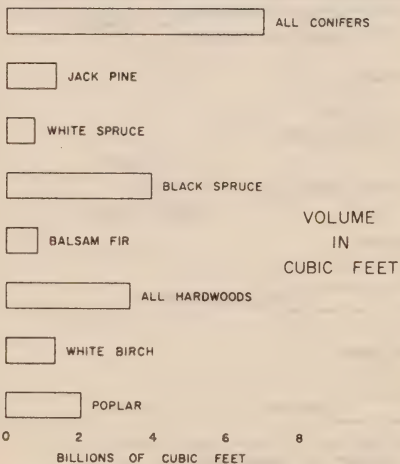
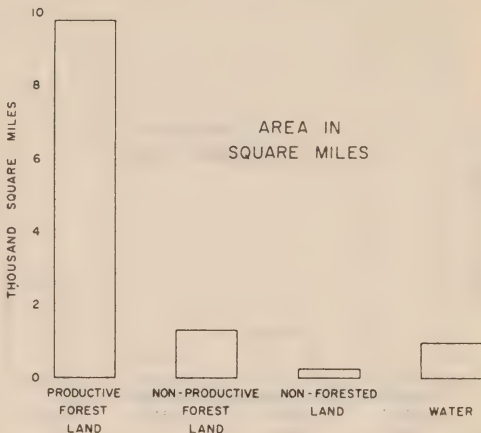
SOURCE : FOREST RESOURCES INVENTORY REPORT No. 3

FORT FRANCES DISTRICT



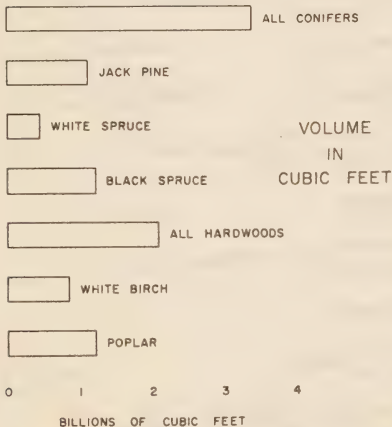
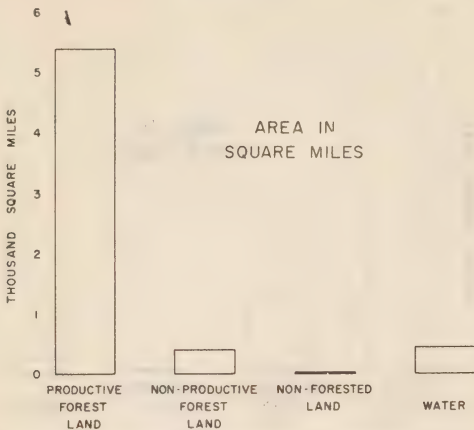
SOURCE : FOREST RESOURCES INVENTORY REPORT No. 14

GERALDTON DISTRICT



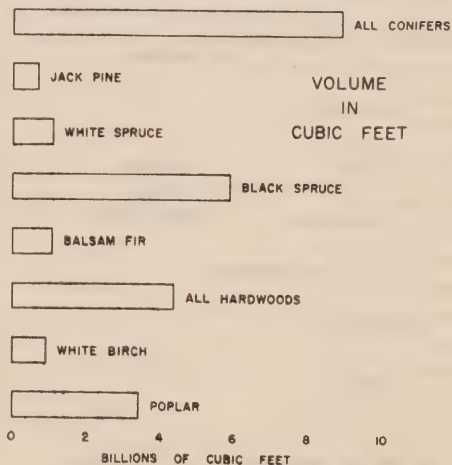
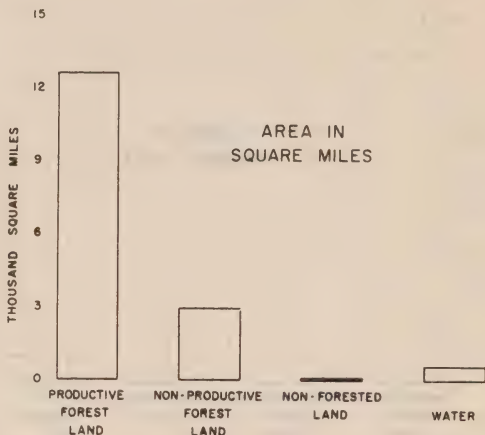
SOURCE : FOREST RESOURCES INVENTORY REPORT No. 5

GOGAMA DISTRICT



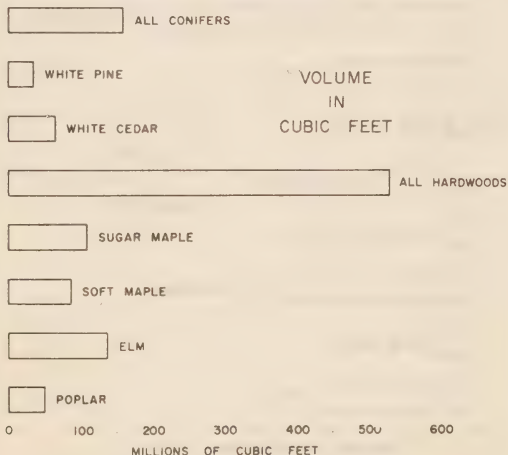
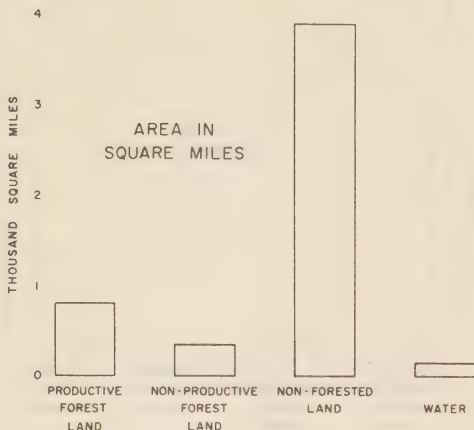
SOURCE : FOREST RESOURCES INVENTORY REPORT No.13

KAPUSKASING DISTRICT



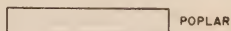
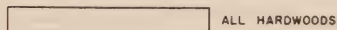
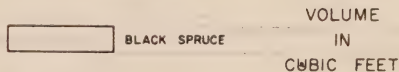
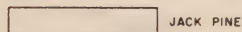
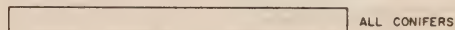
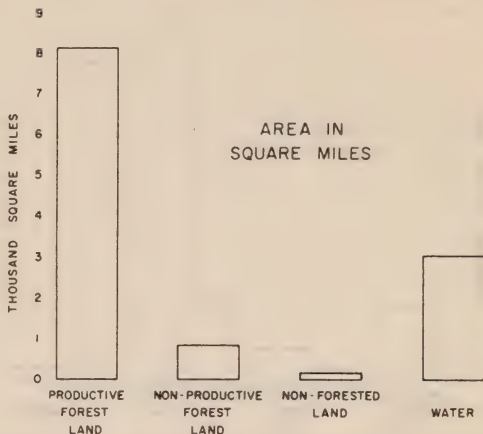
SOURCE : FOREST RESOURCES INVENTORY REPORT No. 4

KEMPTVILLE DISTRICT



SOURCE : FOREST RESOURCES INVENTORY REPORT No. 17

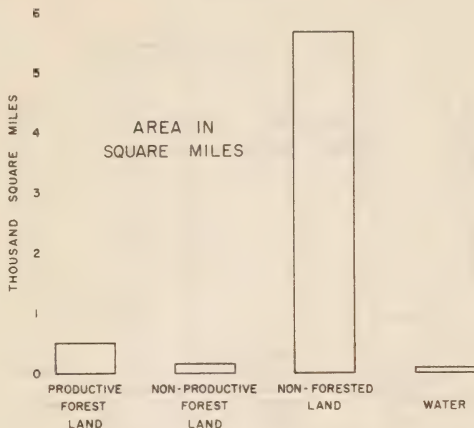
KENORA DISTRICT



0 1 2 3 4 5
BILLIONS OF CUBIC FEET

SOURCE : FOREST RESOURCES INVENTORY REPORT No. 15

LAKE ERIE DISTRICT



ALL CONIFERS

WHITE PINE

ALL HARDWOODS

SUGAR MAPLE

SOFT MAPLE

ELM

WHITE ASH

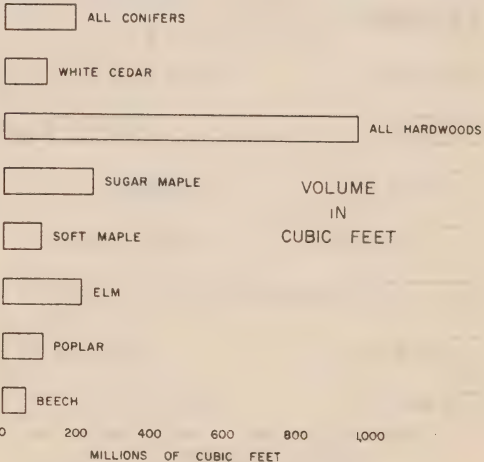
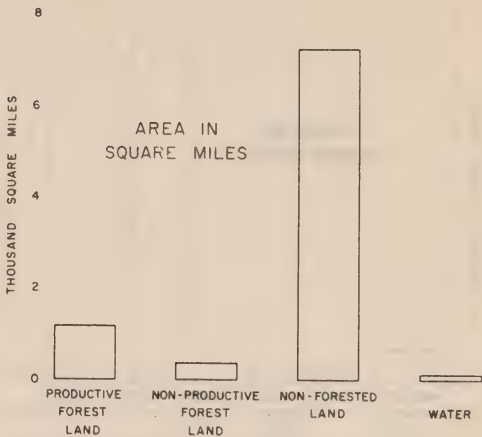
BEECH

VOLUME
IN
CUBIC FEET

0 100 200 300 400 500 600
MILLIONS OF CUBIC FEET

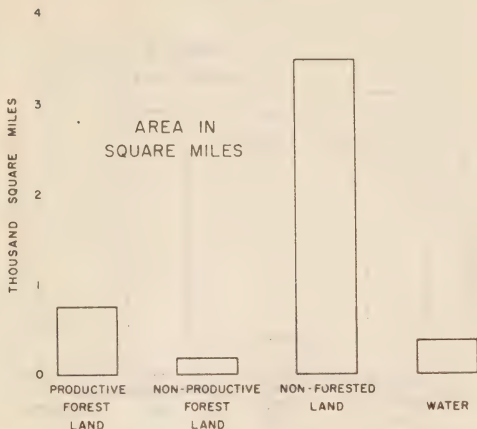
SOURCE : FOREST RESOURCES INVENTORY REPORT No. 22

LAKE HURON DISTRICT



SOURCE : FOREST RESOURCES INVENTORY REPORT No. 21

LAKE SIMCOE DISTRICT



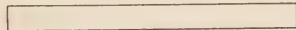
ALL CONIFERS



HEMLOCK



WHITE CEDAR



ALL HARDWOODS



SUGAR MAPLE



ELM



POPLAR



SOFT MAPLE

0 100 200 300 400 500
MILLIONS OF CUBIC FEET

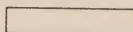
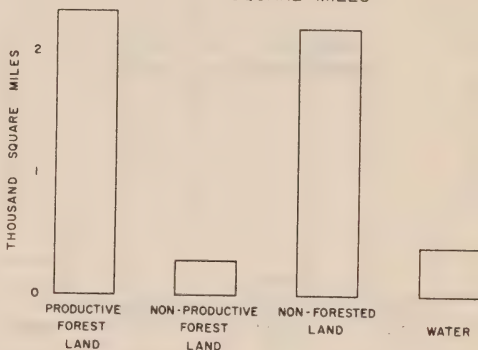
VOLUME
IN
CUBIC FEET

SOURCE : FOREST RESOURCES INVENTORY REPORT No. 20

LINDSAY DISTRICT

3

AREA IN SQUARE MILES



ALL CONIFERS

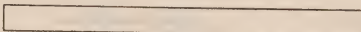


WHITE PINE

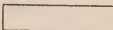


WHITE CEDAR

VOLUME IN CUBIC FEET



ALL HARDWOODS



SUGAR MAPLE



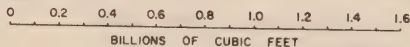
ELM



POPLAR

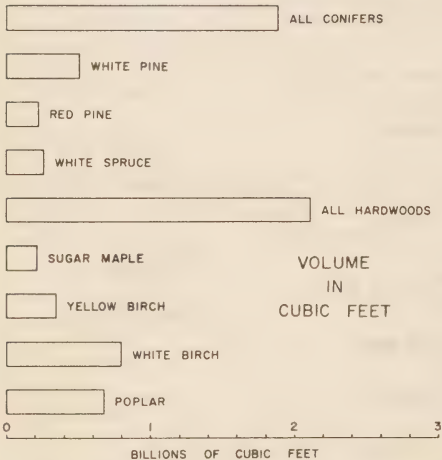
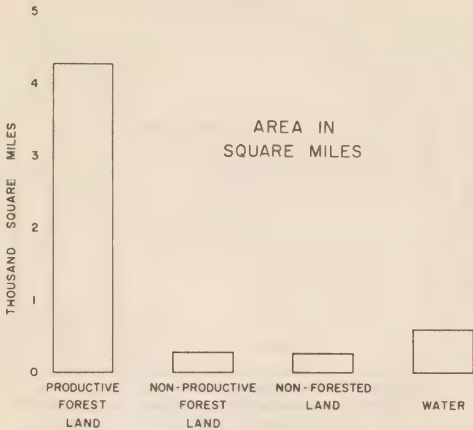


WHITE BIRCH



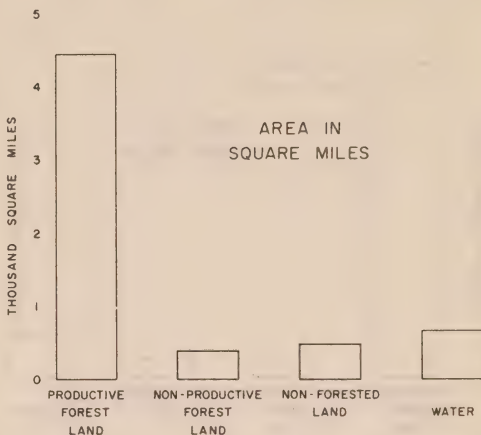
SOURCE : FOREST RESOURCES INVENTORY REPORT No. 19

NORTH BAY DISTRICT



SOURCE : FOREST RESOURCES INVENTORY REPORT No. 1

PARRY SOUND DISTRICT



ALL CONIFERS

WHITE PINE

HEMLOCK

ALL HARDWOODS

SUGAR MAPLE

YELLOW BIRCH

WHITE BIRCH

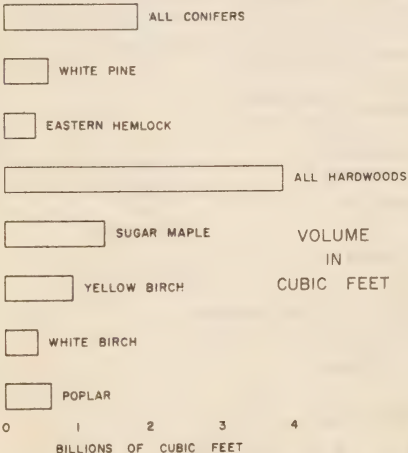
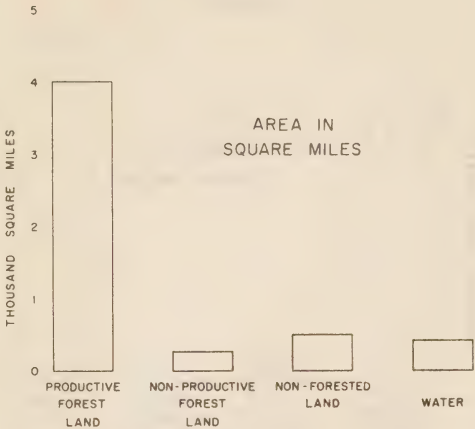
POPLAR

VOLUME
IN
CUBIC FEET

0 1 2 3 4
BILLIONS OF CUBIC FEET

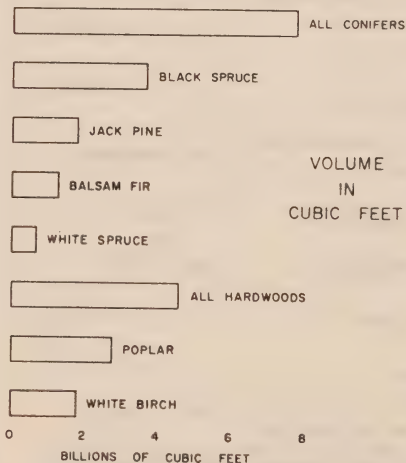
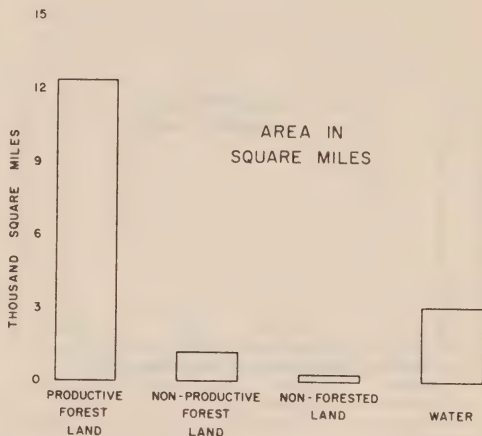
SOURCE : FOREST RESOURCES INVENTORY REPORT No. 8

PEMBROKE DISTRICT



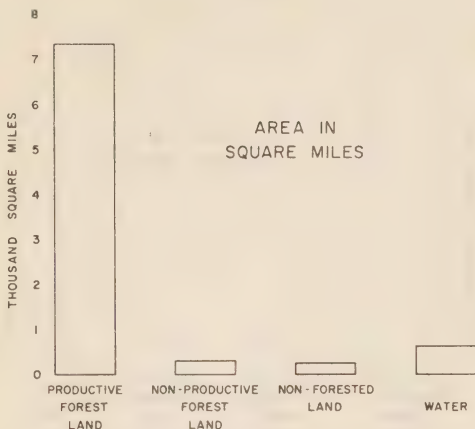
SOURCE : FOREST RESOURCES INVENTORY REPORT No. 7

PORT ARTHUR DISTRICT



SOURCE : FOREST RESOURCES INVENTORY REPORT No. 6

SAULT STE. MARIE DISTRICT



ALL CONIFERS

WHITE PINE

WHITE CEDAR

VOLUME
IN
CUBIC FEET

ALL HARDWOODS

SUGAR MAPLE

YELLOW BIRCH

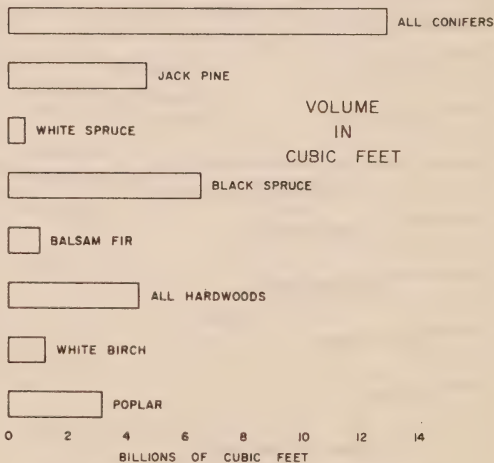
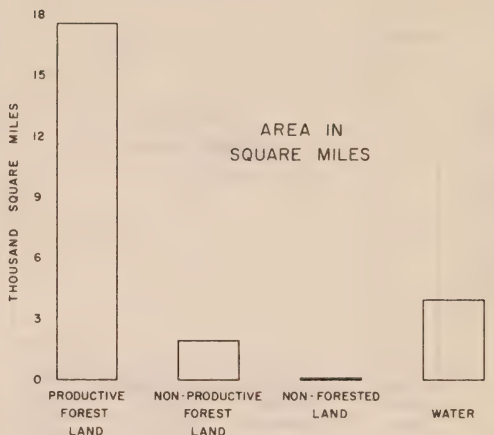
WHITE BIRCH

POPLAR

0 1 2 3 4 5 6
BILLIONS OF CUBIC FEET

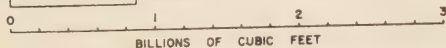
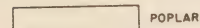
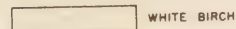
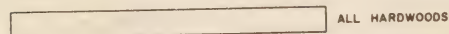
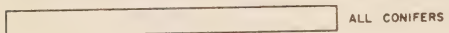
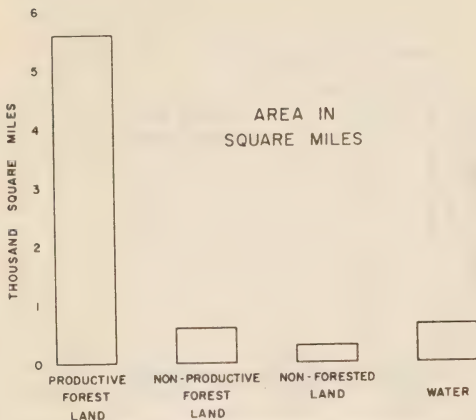
SOURCE : FOREST RESOURCES INVENTORY REPORT No. 11

SIOUX LOOKOUT DISTRICT



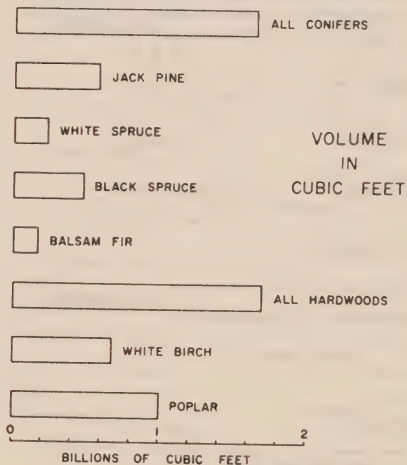
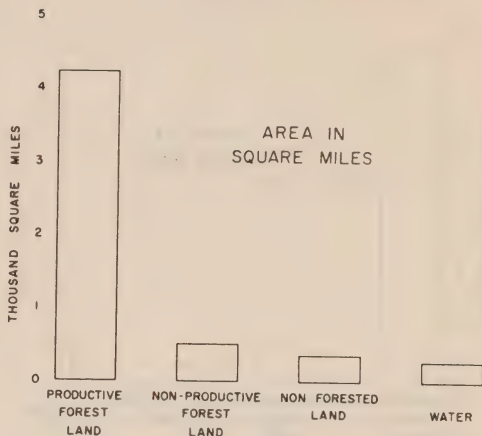
SOURCE : FOREST RESOURCES INVENTORY REPORT No. 16

SUDBURY DISTRICT



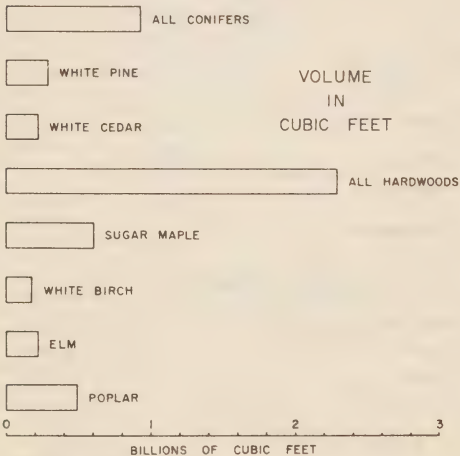
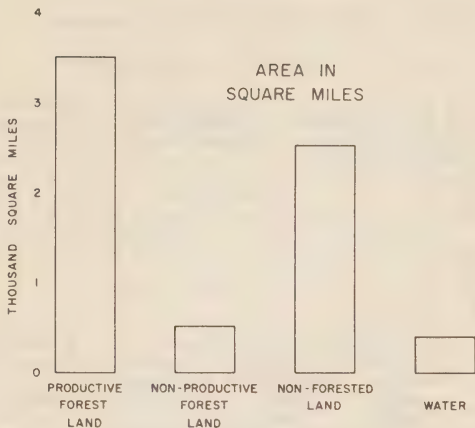
SOURCE : FOREST RESOURCES INVENTORY REPORT No.10

SWASTIKA DISTRICT



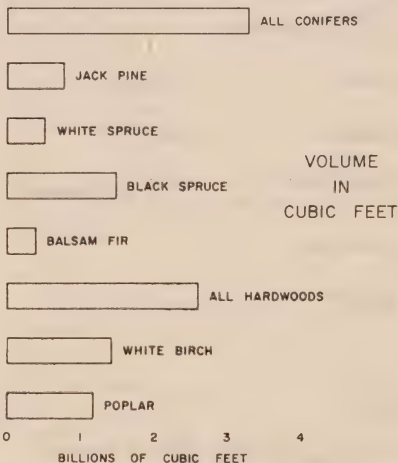
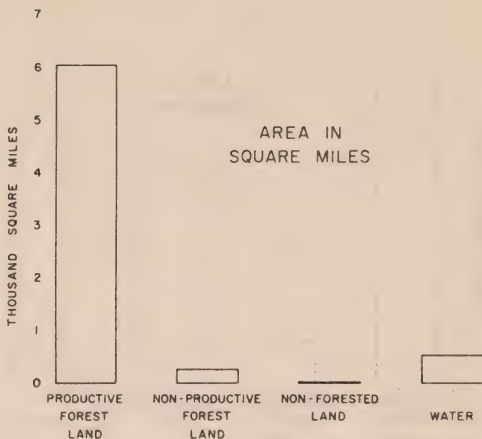
SOURCE : FOREST RESOURCES INVENTORY REPORT No. 2

TWEED DISTRICT



SOURCE : FOREST RESOURCES INVENTORY REPORT No. 18

WHITE RIVER DISTRICT



SOURCE : FOREST RESOURCES INVENTORY REPORT No. 9

COMMITTEES

Committees Assisted by Head Office Personnel

CONSERVATION AUTHORITIES BRANCH

Archaeological and Historic Sites Advisory Board
Conservation Council of Ontario---Pollution Com, Fish and
Wildlife Com, rep of Ont. Professional Foresters.
Historic Sites Advisory Board (Toronto)---Technical Sub-Com
Ontario Research Foundation--- Advisory Com, Advisory Com
on Fish and Wildlife Research
Ontario Water Resources Commission---Advisory Com on
Water and Pollution
Upper Canada Village (Ont.-St. Lawrence) ---Advisory Com

FISH AND WILDLIFE BRANCH

Advisory Com for Lake Erie Fisheries Research
Advisory Com for Lake Huron Fisheries Research
Advisory Com for the Harkness Lab for Fisheries Research
Advisory Com for the Lab of Experimental Limnology
American Fisheries Society---Resolutions Com
American Ornithologists' Union---Com on Bird Protection
Association of Midwest Fish and Game Commissioners---
Program Com, Resolutions Com
Atlantic Flyway Technical Com
Committee on Nature Reserves
Dominion-Provincial Wildlife Conference--- Administrative
Com for Caribou Preservation
Federal-Provincial Com for Ontario Fisheries
Federal-Provincial Com on Forestry Research
Federal-Provincial Advisory Com, Resources Development
Agreement
Farm Products Marketing Board (Dept. of Agriculture)
Great Lakes Deer Group
Great Lakes Institute---Douglas Point Project Com,
Limnological Advisory Com
Inter-Department Com on Welfare of Off-Reservation Indians
International Association of Game Fish and Conservation
Commissioners---International Relations Com
Lake Erie Fish Management Com (State-Provincial)
Lake Ontario Fish Management Com (State-Provincial)
Lake Trout Rehabilitation Com (International Great Lakes
Fishery Commission)
Midwest Pheasant Council
Mississippi Flyway Technical Com
Ontario Agricultural College---Joint Com
Ontario-New York Com on Fisheries
Ontario Research Foundation---Advisory Com on Fisheries
and Wildlife Research
Ontario-St. Lawrence Development---Fish and Wildlife
Advisory Com
Ontario Waterfowl Research Foundation---Scientific
Advisory Com

Ontario Water Resources Commission---Water and Pollution
Advisory Com
Sub-Com on Publication of Farm Ponds (Dept. of Agriculture)
University of Toronto Forest Com

FOREST PROTECTION BRANCH

Canada-Ontario Advisory Com on Forest Research
Canadian Government Standards Board---Com on Forest
Fire Hose
Canadian Institute of Forestry---Forest Fire Com
Canadian Standards Association---Com on Forest
Fire Hose
National Fire Protection Association---Forests Com
National Research Council---Associate Com on Forest
Fire Protection
North American Forestry Commission---Fire Control
Working Group
Ontario Forestry Association---Forest Fire Prevention Com
Ontario Government Com on Pesticides

LANDS AND SURVEYS BRANCH

Canadian Institute of Forestry
Canadian Permanent Com on Geographical Names
Conservation Council of Ontario---Forestry Com,
Pollution Com
International Boundary Commission
Lake of the Woods Control Board
Mining and Access Roads Com
Nature Reserves Com
Ontario Forestry Association---Good Outdoors Manners Com,
Resources Rangers Com
Ontario Professional Foresters Association---Ontario Forestry
Education Council, Practice and Ethics Com
Ottawa River Engineering Board
Planning Board
Private Lands Liaison Com
Public Agricultural Lands Com
Water Front Technical Com (under Metropolitan Toronto)

OPERATIONS BRANCH

American Association for Conservation Information (Director)
Canadian Public Relations Society---Programme Com,
Seminars Com on Management
International Rescue and First Aid Association (Director)
Sheridan Park---The Ontario Research Community
(Member of Board)
Young Naturalists Club---Editorial Com

PARKS BRANCH

American Institute of Park Executives---Revenue Sources Com
Association of Interpretive Naturalists (Director)
Federation of Ontario Naturalists---Young Naturalists Com

National Conference on State Parks
Ontario Parks Integration Board
Ontario Recreation Association---Indian and Recreation Com
Ontario Research Council---Parks Com
Quetico---Superior Joint Advisory Com

PERSONNEL BRANCH

Personnel Council of the Ontario Civil Service---Steering
Com (Chairman), Reclassification Program Com

RESEARCH BRANCH

Advisory Com for Lake Erie Fisheries Research
Advisory Com for Lake Huron Fisheries Research
Advisory Com for the Harkness Lab for Fisheries Research
Advisory Com for the Lab of Experimental Limnology
American Fisheries Society
Canada Com on Freshwater Fisheries Research
Department of Forestry---Canada-Ontario Advisory Com on
Forest Research, Advisory Com on Forest Entomology
and Pathology
Committee for Ornamentals of Ontario (Horticultural Research,
Royal Botanical Gardens, Hamilton)
Federal-Provincial Great Lakes Research Com
(Dept of Fisheries)
Fur Advisory Meetings
Great Lakes Deer Group
Great Lakes Fishery Commission---Advisory Com, Scientific
Advisory Com, Sub-Com on Lake Trout Rehabilitation
Great Lakes Institute (Universtiy of Toronto)
Lake Erie Council of Commercial Fishermen
Lake Erie Fish Management Com
Lake Ontario Fisheries Management Com (Ontario, New York)
Midwest Wildlife Conference---Upper Great Lakes Fishery Com
North American Wildlife Conference
Northeastern Forest Tree Improvement Conference---
Site Evaluation Com
Ontario Agricultural College---Com on Correlation of
Soil and Site
Ontario Council of Commercial Fishermen
Ontario Research Foundation---Advisory Com on Research in
Forestry, Advisory Com on Research in Fish and Wildlife
Ontario Waterfowl Research Foundation---Scientific
Advisory Com
Pulp and Paper Research Institute ---Steering Group (R.C. 17)
Sports Fish Com (Lake Ontario)
Upper Great Lakes Fishery Com

TIMBER BRANCH

Agricultural Meteorological Association
American Society of Photogrammetry---Photo Interpretation Com
Canada Com on Forest Tree Breeding

Canadian Institute of Forestry---Com on Surveys
Canadian Institute of Surveying---Air Photo Interpretation
Sub-Com on Equipment and Techniques, Air Photo
Interpretation on Forestry and Wildlife
Dominion-Provincial Entomology and Pathology Com
Dominion-Provincial Forest Research Com
Private Lands Liaison Com
Society of American Foresters---Forest Mensuration Group
of the Division of Forest Management
United States Region Nine Nurserymen's Association

Committees Assisted by Field Office Personnel

CHAPLEAU DISTRICT

Canadian Institute of Forestry---Central Ontario Section
Canadian Horticultural Society (Director)

COCHRANE DISTRICT

Agricultural Lands Com
District Advisory Com on Recreational Land Use
Planning (Chairman)

FORT FRANCES DISTRICT

Recreational Land Use Planning Com (District)

GERALDTON DISTRICT

Recreational Land Use Planning Com (District)

GOGAMA DISTRICT

Public Agricultural Lands Sub-Com

KAPUSKASING DISTRICT

Advisory Com on Recreational Land Use Planning
(Chairman)
Agricultural Land Use Com
Boy Scouts Association---Executive Com
Industrial Development Com
Winter Employment Com

KEMPTVILLE DISTRICT

Eastern Ontario Development Association
Eastern Ontario Soil and Crop Improvement Association---
Land Use Com
Land Use Coms of the County Soil and Crop Improvement
Associations in Leeds, Grenville, Glengarry, Russell,
Stormont, and Prescott

Ontario Federation of Agriculture (County units in
Leeds and Carleton)
Ontario Forestry Association
Ontario-St. Lawrence Development Commission---Fish
and Wildlife Advisory Committee
Reforestation Coms for the County Councils of Leeds
and Grenville; Dundas, Stormont and Glengarry;
Prescott and Russell; Carleton; and Lanark
Seaway Valley Travel Council
South Nation Conservation Authority---Reforestation Com

KENORA DISTRICT

Agricultural Lands Com (ARDA)
Dryden Conservation Camp---Advisory Com
Recreational Zoning Com

LAKE ERIE DISTRICT

Ausable River Conservation Authority---Forestry
Advisory Board
Big Creek Conservation Authority---Forestry
Advisory Board
Cattfish Creek Conservation Authority---Forestry
Advisory Board
Lake Erie Fisheries Research Advisory Com
Middlesex County Forestry Com
Ontario Professional Foresters Association---
Resolutions Com (Chairman)
Otter Creek Conservation Authority---Forestry
Advisory Board
Rondeau Waterfowl Advisory Com
Upper Thames River Conservation Authority---
Forestry Advisory Board

LAKE HURON DISTRICT

Grand Valley Conservation Authority---Forestry
Advisor
Saugeen Valley Conservation Authority---Forestry
Advisor

LAKE SIMCOE DISTRICT

Dept of Reform Institutions---Advisory Com to Camp Bendrie
and Camp Hillsdale
Essa Township Conservation Com
Metro Toronto and Region Conservation Authority
(advisory)
Private Lands Liaison Com
Reforestation Coms for the County Councils of Simcoe,
Dufferin and York
York County Council---Conservation Education Sub-Com

LINDSAY DISTRICT

Central Lake Ontario Conservation Authority---Reforestation
Advisory Board
Crowe Valley Conservation Authority---Reforestation
Advisory Board
Ontario Professional Foresters Association---Private
Land Forestry Com
Otonabee Region Conservation Authority---Reforestation
Advisory Board, Wildlife Advisory Board
Reforestation Coms of Victoria County and of
Northumberland and Durham Counties
Victoria County---ARDA Com

NORTH BAY DISTRICT

Recreational Planning Com

PARRY SOUND DISTRICT

Recreational Land Use Planning Com

PEMBROKE DISTRICT

Advisory Com on Recreational Land Use Planning
Winter Employment Campaign Com

PORT ARTHUR DISTRICT

Lakehead Campers Association Com
Lakehead College of Arts, Science and Technology---
Forestry Com
Thunder Bay Fish and Game Association

SIOUX LOOKOUT DISTRICT

Recreational Land Use Planning Com

SUDBURY DISTRICT

Great Lakes Fishery Commission
Manitoulin Island Conservation Advisory Com

SWASTIKA DISTRICT

Advisory Com on Recreational Land Use Planning
Agricultural Com

TWEED DISTRICT

Joint Commercial and Sports Fish Com for
Bay of Quinte
Moir River Conservation Authority---Forestry
Advisory Board
Napanee Valley Conservation Authority---Forestry
Advisory Board
Renfrew County---Agriculture and Conservation Com

WHITE RIVER DISTRICT

Recreational Planning Com

NEW POLICIES

[illegible]

AREA AND POPULATION BY PROVINCES populations in 000's

| Province....Area in Sq. Mi. Date entered Confederation | 1871 | 1891 | 1911 | 1921 | 1931 | 1941 | 1951 | 1961 |
|---|-------|-------|-------|-------|--------|--------|--------|--------|
| Ontario.....412,582 | 1,620 | 2,114 | 2,527 | 2,933 | 3,431 | 3,787 | 4,597 | 6,236 |
| July 1, 1867 | | | | | | | | |
| Quebec.....594,860 | 1,191 | 1,488 | 2,005 | 2,360 | 2,874 | 3,331 | 4,055 | 5,259 |
| July 1, 1867 | | | | | | | | |
| Nova Scotia.....21,068 | 387 | 450 | 492 | 523 | 512 | 577 | 642 | 737 |
| July 1, 1867 | | | | | | | | |
| New Brunswick.....27,985 | 285 | 321 | 351 | 387 | 408 | 457 | 515 | 598 |
| July 1, 1867 | | | | | | | | |
| P.E.I.....2,184 | 94 | 109 | 93 | 88 | 88 | 95 | 98 | 105 |
| July 1, 1873 | | | | | | | | |
| Newfoundland.....155,364 | ..... | ..... | ..... | ..... | ..... | ..... | 361 | 458 |
| Mar. 31, 1949 | | | | | | | | |
| Manitoba.....246,512 | 25 | 152 | 461 | 610 | 700 | 729 | 776 | 922 |
| July 15, 1870 | | | | | | | | |
| Saskatchewan.....251,700 | ..... | ..... | 492 | 757 | 921 | 895 | 831 | 925 |
| Sept. 1, 1905 | | | | | | | | |
| Alberta.....255,285 | ..... | ..... | 374 | 588 | 731 | 796 | 939 | 1,332 |
| Sept. 1, 1905 | | | | | | | | |
| British Columbia...366,255 | 36 | 98 | 392 | 524 | 694 | 817 | 1,165 | 1,629 |
| July 20, 1871 | | | | | | | | |
| Territories..... | 48 | 98 | 15 | 12 | 13 | 16 | 25 | 38 |
| CANADA.....3,845,774 | 3,689 | 4,833 | 7,206 | 8,787 | 10,376 | 11,506 | 14,009 | 18,238 |

** Yukon, 207,076 sq. mi., organized June 13, 1898; North West Territories, 1,304,903, reconstituted September 1, 1905.

HISTORICAL HIGHLIGHTS

Ontario Department of Lands and Forests

- 1763 Modified feudal system of land tenure existed when British occupied French Canada.
- 1783 First township surveyed under civil authority.
- 1798 First Surveys Act passed.
- 1819 Land Boards were given authority to settle people on 100-acre lots within their districts.
- 1827 Policy of non-alienation of forested Crown Lands established. First Commissioner of Crown Lands appointed. Surveyor-General of Woods and Forests in the Province of Upper Canada appointed.
- 1838 First Public Lands Act (King William IV, May 17th).
- 1840 Commissioner of Crown Lands for Canada appointed following Act of Union of that year.
- 1842 Upper and Lower Canada united in legislative union.
- 1852 Woods and Forests Branch of Crown Land Department established to replace host of local land agents who formerly administered the affairs of Woods and Forests.
- 1853 Land Act (repealed).
- 1854 Bill introduced to prevent careless setting of fire (not enacted).
- 1867 Confederation. First Commissioner for Crown Lands in Ontario appointed.
- 1868 Land Act of this year is basis of regulations made to present day.
- 1878 First forest-protection legislation passed-"An Act to Preserve the Forests from Destruction by Fire".
- 1885 First system of fire ranging instituted.
- 1887 Camera first used for survey work.
- 1890 Ontario Cullers Act enacted.
- 1893 Algonquin Provincial Park established.
- 1897 Fire Rangers placed on unlicensed land at public expense. Rondeau Provincial Park established.

- 1900 Export of pulpwood and hemlock bark prohibited. Lake Temagami Forest Reserve Created.
- 1904 Four Public Land Acts consolidated. Ontario Government initiates policy of giving attention to problems of forestry in Southern Ontario. Forestry Department created at Ontario Agricultural College in Guelph. Forest Nursery established O. A. C.
- 1905 Report of the Commissioner of Crown Lands changed to Report of the Minister of Lands and Mines.
- 1906 Report of Minister of Lands and Mines changed to Report of Minister of Lands, Forests and Mines.
- 1907 Faculty of Forestry created at University of Toronto.
- 1910 Lumbermen assessed for full cost of maintaining fire rangers -17 on limits.
- 1912 Forestry Branch created under direction of E. J. Zavitz. St. Williams Forest Station, established in 1908, transferred to Lands and Forests.
- 1913 First Annual Report for Forestry Branch submitted by E. J. Zavitz as Director. Quetico, a forest reserve in 1909, established as Provincial Park.
- 1916 First report on white pine blister rust.
- 1917 Forest Fires Prevention Act provides basis of system whereby timber licensees and pulp concessionaires pay flat rate for fire protection. The Fire Permit system established to control slash burning. White Pine Blister Rust Conference held in Pittsburgh, Pa., U. S. A.
Position of Provincial Forester created under E. J. Zavitz. Fire ranging service transferred from Woods and Forests Branch to Provincial Forester.
- 1918 Province divided into four Inspectorates. Thirty-four Chief Ranger Districts established.
- 1920 Department of Lands and Forests created (Mines as separate Department). Timber Commission appointed to report on administration of timber resources. Rondeau Park transferred from Public Works.
- 1921 Department presented first exhibit at Canadian National Exhibition; was praised by Governor General.

First air patrols carried out as a measure of forest protection.

- 1922 Georgian Bay, Algonquin and Trent Forest Districts established under technical foresters within former Southern Inspectorate. Midhurst and Orono Forest Stations established. First County Forest was started in Simcoe; twelve Township Forests started.
- 1923 New Inspectorate established at Sault Ste. Marie. Central and Northern Inspectorates named Sudbury and Cochrane, respectively. Angus Seed Plant established.
- 1924 Provincial Air Service established. Provincial Land Tax and Pulpwood Conservation Acts enacted. Transplant nursery established at Kemptville.
- 1925 New Inspectorate established at Oba.
- 1926 E. J. Zavitz appointed Deputy Minister of Forestry. Radio used in Forestry Branch operations. New Inspectorates of Hudson and North Bay established.
- 1927 New Inspectorate established at Kenora. Western (Port Arthur) under Forest Supervisor. Cochrane under Fire Inspector. Hudson (Sioux Lookout), Kenora, Oba, Sault Ste. Marie, Sudbury, North Bay, Georgian Bay (Parry Sound), Algonquin (Pembroke) and Trent (Tweed) administered by technical foresters as District Foresters.
- 1930 Western Inspectorate named Port Arthur, administered by District Forester. Oba headquarters moved to Kapuskasing.
- 1932 Twelfth Inspectorate established as Rainy River under District Forester at Fort Frances.
- 1933 Inspectorates changed to Districts. Chief Ranger Districts changed to Chief Ranger Divisions.
- 1934 Fire Ranging and Forest Ranging combined.
- 1935 All twelve Districts are administered by District Foresters. Hudson and Oba Districts named Sioux Lookout and Kapuskasing, respectively.
- 1936 Rainy River, Georgian Bay and Trent Districts are named Fort Frances, Parry Sound and Tweed, respectively.
- 1937 Public Lands Act provides for recreation, deals with sale of summer resort lands, etc. Pulpwood Conservation and Land Surveyors Acts amended.
- 1938 Crown Timber Act amended. Counties Reforestation Act amended.
- 1939 Department divided into eight Head Office Branches: Main Office, Lands, Forestry, Forest (Woods), Accounts, Surveys, Land Tax and Patents. Select committee appointed to

report on all matters pertaining to administration of Lands and Forests. Organization of Resources Act given Royal assent.

- 1940 Abitibi Power and Paper Company Moratorium Act passed. Northern Development, Provincial Land Tax, Railway Fire Charge and Surveys Acts amended.
- 1941 Broad re-organization of Department of Lands and Forests. Establishment of ten Head Office Divisions: Accounts, Air Service, Forest Protection, Lands and Recreational Areas, Research, Surveys, Timber Management, Reforestation, Operation and Personnel, and Law (formerly a Branch).
Thirteen Districts divided into five Regions; named Southern, Central, Kapuskasing, Thunder Bay and Western in the following year. New District of Geraldton on temporary basis.
Southern Ontario Divided into six Zones under Zone Foresters of whom five were appointed.
Land Agencies incorporated in Districts.
- 1943 Geraldton District established.
Forest Ranger School at Dorset established.
- 1946 Department of Game and Fisheries amalgamated with Lands and Forests as Division of Fish and Wildlife.
Two new Regions and seven new Districts created: South-Western with three new Districts: Lake Erie, Lake Huron and Simcoe; South-Eastern with Quinte (formerly Tweed) and two new Districts: Rideau and Trent; South-Central with Algonquin and Parry Sound; Central with North Bay, Sudbury, Sault Ste. Marie and two new Districts: Chapleau and Gogama; Northern with Kapuskasing and Cochrane; Mid-Western with Port Arthur and Geraldton; and Western with Sioux Lookout, Kenora and Fort Frances.
Kemptonville and Thunder Bay (Fort William) Forest Stations established. Forest Resources Inventory organizations created. Tree Conservation Act passed.
- 1947 Temiskaming District established (Northern Region).
The Forest Management Act of 1947 provided for the submission of Management Plans by timber and pulpwood licensees for the operation of concession areas on a sustained yield basis. Modern Fur Management began in 1947.
- 1949 White River District established (Central Region), the 22nd District.
- 1952 The Crown Timber Act of April 9th, 1952, consolidated and replaced eight previous Acts to enable the practice of sound forest management. Effective on April 1st, 1953, it standardized and simplified timber licences, and defined and prohibited wasteful practices, setting penalties for the wastage of merchantable wood. It also covered scaling, mill licences, provincial forests and the appointment of the Advisory Committee to the Minister.

The Forestry Act provided for the sale of trees to private land-owners.

1953 Quinte, Trent, Algonquin and Temiskaming Districts named Tweed, Lindsay, Pembroke and Swastika Districts, respectively.

1954 Provincial Parks Act passed. Divisions of Parks, Lands and Law created. Division of Lands and Recreational Areas abolished.

By March 31, 1953, all districts had been divided into Management Units to be managed for sustained yield. Within the following fiscal year, the number increased from a total of 69 to 87 Crown Units and 36 Company Units, all held responsible for Management Plans. Within Crown Units, licensees holding 50 square miles or more were held responsible for Management Plans to be co-ordinated with Unit plans.

1956 Rideau District named Kemptville District.

1957 Department re-organized. Two Assistant Deputy Ministers and two Regional Directors appointed.

Divisions of Timber Management and Reforestation become Timber and Reforestation Branches in the Division of Timber.

Divisions of Forest Protection and Air Service become Forest Protection and Air Service Branches in the Division of Forest Protection.

Divisions of Surveys and Engineering and Lands become Surveys and Lands Branches in the Division of Surveys.

Division of Operation and Personnel becomes Division of Operations and a separate Personnel Section. Division of Law becomes a separate Law Section.

The Forest Resources Inventory, begun in 1946, was completed, and the first of the annual inventories was started to keep the Inventory up to date.

1958 Surveys Act completely revised.
Silviculture becomes the third Branch in Division of Timber.
Land Use Planning Section created in Lands and Surveys.

1959 Divisions re-named Branches and Branches re-named Sections as of December 1st.
Law and Personnel become Branches.

1960 Thirty-five wilderness areas established under The Wilderness Areas Act, March 26th, 1959.

1961 Sections 44 to 61 of The Public Lands Act, dealing with agricultural land disposition, repealed March 29th.

1962 Conservation Authorities Branch transferred to Lands and Forests on January 1st.

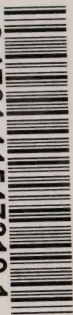
1963 Land Acquisition Section created in Lands and Surveys.

MEMORANDUM

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